

# CONCRETE PRODUCERS LOCATIONS

# CONCRETE PRODUCERS LISTING 2005

1	ARDFERT QUARRY PRODUCTS	066 7134144	78	LAOIS CONCRETE LTD - PORTLAOISE	057 86 21487	155	ROADSTONE - MILVERTON	01 8492276
2	BANAGHER CONCRETE LTD	057 91 51417	79	LAOIS CONCRETE LTD - BALINAKILL	057 87 33532	156	ROADSTONE - RINGSEND	01 6144698
3	BOGGAN (QUARRY PRODUCTS) LTD	053 91 58039	80	LENNON QUARRIES LTD	097 81297	157	ROADSTONE - WICKLOW CONCRETE	0404 67727
4	BOOTH CONCRETE PRODUCTS LTD	057 31840	81	LETTERKENNY CONCRETE & QUARRY PRODUCTS LTD	074 9122773	158	ROADSTONE - ARCHITECTURAL PRODUCTS DIVISON	01 8343322
5	CANNON CONCRETE PRODUCTS LTD	091 794104	82	LOUGHNANE CONCRETE (BIRR) LTD	057 91 20208	159	ROADSTONE - CONTRACTING SERVICES	01 4041200
6	CASSIDY BROS CONCRETE PRODUCTS LTD (BUNCRANA)	074 93 61777	83	LIAM LYNCH QUARRIES LTD	061 397246	160	ROADSTONE - PAVING PRODUCTS DIVISION	01 4041275
7	CASSIDY BROS CONCRETE PRODUCTS (FALCARRAGH) LTD	074 9135253	84	MCANDREW, MARTIN A. LTD	096 22086	161	ROADSTONE - PAVING SUPPLY & LAY SERVICE	01 4041200
8	CASTLEMORE GROUP SALES LTD	021 7363336	85	MCCAFFREY, P. & SONS	074 97 34036	162	ROADSTONE PROVINCES (SAGGART)	01 4041400
9	CLARKE, P & SONS LTD (DRUNG)	049 4338162	86	MCGRATHS LIMESTONE WORKS LTD - CONG	094 95 46022	163	ROADSTONE - NE REGIONAL OFFICE DROGHEDA	041 9837764
10	CLARKE, P & SONS LTD (LISNASKEA)	048 677 21286	87	MCGRATHS LIMESTONE WORKS LTD - CLAREMORRIS		164	ROADSTONE - BALLYBAY	042 9744814
11	CMC LTD	093 24315	88	BILLY MCGRATH OR KEITH MCGRATH	094 95 40940	165	ROADSTONE - BARLEY HILL	042 9667123
12	CONCAST PRECAST GROUP	01 6288055	89	MCGRATH CONCRETE PRODUCTS LTD	065 6835125	166	ROADSTONE - CASTLEBLAYNEY	042 9740026
13	CONDON CONCRETE WORKS LTD	057 93 49000	90	MOLLOY CONCRETE LTD	096 21164	167	ROADSTONE - DERRYARKIN	044 92 22833
14	CONG CONCRETE PRODUCTS LTD	094 95 46022	91	MORONEY, PAT (BROADFORD) LTD	061 473120	168	ROADSTONE - DROGHEDA	041 9837761
15	COPPEEN SAND & GRAVEL CO. LTD	023 47205	92	MORRISSEY, DAN (IRL) LTD	059 9131464	169	ROADSTONE - DULEEK	041 9880289
16	CORCORAN CONCRETE LTD	098 25115	93	MOYLUGH CONCRETE PRODUCTS LTD	093 28800	170	ROADSTONE - MULLAGHCRONE	041 9839183
17	CPI LTD	01 6302700	94	MULLAFARRY QUARRIES LTD	096 32055	171	ROADSTONE - SILICA SAND	042 9667123
18	MICHAEL CRONIN (READYMIX) LTD	064 31307	95	MURTAGH, SHAY (PRECAST) LTD	044 74108	172	ROADSTONE - SLANE	041 9824214
19	DRIMOLEAGUE CONCRETE WORKS LTD	027 50198	96	O'NEILL, FINBARR LTD	021 4871933	173	ROADSTONE - TRIM	046 9431271
20	DUCON CONCRETE LTD	029 56037	97	O'REILLY BROS LTD	042 9667237	174	ROADSTONE - NW REGIONAL OFFICE GALWAY	091 709060
21	DUFFY CONCRETE PRODUCTS LTD	042 9376799	98	O'ROURKE BROS QUARRY PRODUCTS LTD	053 91 59297	175	ROADSTONE - KILCHREEST	091 635522
22	DUGGAN QUARRIES	023 55011	99	O'REILLY OAKSTOWN ENVIRONMENTAL	046 9431389	176	ROADSTONE - ATHLONE	090 6492731
23	DUGGAN QUARRIES - CORK	023 56670	100	OLDBRIDGE CONCRETE PRODUCTS LTD	041 9833001	177	ROADSTONE - BALLINTRA	074 9734022
24	DUGGAN QUARRIES - KERRY	064 41773	101	ORAN PRECAST LTD	091 794537	178	ROADSTONE - BOYLE	071 9662057
25	FINLAY BRETON (IRELAND) LTD	01 4015200	102	ORMONDE BRICK	056 41323	179	ROADSTONE - CARNDONAGH	074 9374114
26	FINLAY BRETON LTD	048 855 68441	103	OWENS CONCRETE LTD	044 93 72187	180	ROADSTONE - CASTLEBAR	094 9021266
27	FLANAGAN CONCRETE LTD	045 524111	104	PRECAST PRODUCTS LTD	051 374048	181	ROADSTONE - CASTLEMEINE	090 6629511
28	FLOOD, B D LTD - OLDCASTLE	049 8541477	105	PREMIER CONCRETE COMPANY LTD	052 32224	182	ROADSTONE - GALWAY	091 709050
29	FLOOD, B D LTD - CARNAROSS	046 45240	106	QUINN MANUFACTURING LTD	048 677 48866	183	ROADSTONE - SW REGIONAL OFFICE BUNRATTY	061 709500
30	FLOOD, B D LTD - CROOKEDWOOD	044 93 71569	107	QUINN QUARRING & CONCRETE LTD	094 9643010	184	ROADSTONE - BALLYKNOCKANE	052 33796
31	FLOOD, B D LTD - KILUCAN	044 93 74229	108	QUIRKE, M. F. & SONS	066 9761558	185	ROADSTONE - BALLYNEETY	061 351253
32	FLOOD, B D LTD - LAVEY	049 4330705	109	READY MIXED CONCRETE (IRL.) LTD	042 9376210	186	ROADSTONE - BALLYQUIN	061 377127
33	FLOOD, B D LTD - MURRENS	049 8542047	110	READYMIX PLC - EAST WALL ROAD	01 8658700	187	ROADSTONE - BARRIGONE	061 392386
34	FLOOD FLOORING LTD	049 8541477	111	READYMIX (EASTERN) SALES OFFICE - NAAS	045 879355	188	ROADSTONE - BUNRATTY	061 709500
35	GALVIN, MICHAEL & SONS LTD (TULLAMORE)	057 93 21485	112	READYMIX (EASTERN) BLACKROCK	01 2883011	189	ROADSTONE - CAHIR	052 41333
36	GALVIN, MICHAEL & SONS LTD - BALLYMAHON	0902 32195	113	READYMIX (EASTERN) EAST WALL	01 8556032	190	ROADSTONE - HOLYCROSS	0504 43219
37	GALVIN, MICHAEL & SONS LTD - EDENDERRY	0405 31041	114	READYMIX (EASTERN) GORMANSTON	01 8411739	191	ROADSTONE - KILRUSH	065 9051034
38	GALVIN, MICHAEL & SONS LTD - KILKENNY	056 61177	115	READYMIX (EASTERN) KILEEN ROAD	01 4566226	192	ROADSTONE - SE REGIONAL OFFICE KILMACOW	051 894000
39	BOGGAN CONCRETE LTD	053 91 58896	116	READYMIX (EASTERN) RATHMOYLON	046 9555953	193	ROADSTONE - ARKLOW	0402 32016
40	READYMIX (KILDAVIN) LTD	053 93 77408	117	READYMIX (EASTERN) WALSHSTOWN	045 897163	194	ROADSTONE - BROWNSWOOD	053 92 33455
41	GANNON, JOHN & SONS LTD	057 93 32126	118	READYMIX CONCRETE ADMIXTURES - NAAS	045 897466	195	ROADSTONE - CARROLLS CROSS	051 294102
42	GLEESON CONCRETE LTD	062 76111	119	READYMIX CONCRETE PIPES & ROOF TILES - NAAS	045 879355	196	ROADSTONE - KILKENNY QUARRY	056 7727527
43	GLEESON QUARRIES LTD	052 56117	120	READYMIX (B.M.W) SALES OFFICE - TULLAMORE	057 93 21485	197	ROADSTONE - KILMACOW	051 894010
44	GREANEY CONCRETE PRODUCTS LTD	069 65388	121	READYMIX (B.M.W) AUGHAMORE	071 9162562	198	ROADSTONE - KILMUCKRIDGE	053 92 30971
45	GROGAN, AUSTIN & SONS LTD	094 9630072	122	READYMIX (B.M.W) BALLINA	094 9258119	199	ROADSTONE - PARK	053 91 24142
46	HANLON CONCRETE PRODUCTS LTD	045 860149	123	READYMIX (B.M.W) BALLYMAHON	090 6432195		ROADSTONE ARCHITECTURAL PRODUCTS DIVISION	
47	HANLY BROS LTD	071 96 30000	124	READYMIX (B.M.W) DORAN ROCK	043 84376	200	ROADSTONE PAVING - GOOIG	061 377217
48	HARRINGTON, FRANK LTD - MAYO	094 9367072	125	READYMIX (B.M.W) EDENDERRY	046 9731041	201	ROADSTONE ROOFTILES - OVENS	021 4877997
49	HARRINGTON, FRANK LTD - GALWAY	091 791137	126	READYMIX (B.M.W) LAGHY	074 9721300	202	ROADSTONE ROOFTILES - GOOIG	061 377217
50	HARRINGTON, FRANK LTD - CASTLEBAR	094 9031963	127	READYMIX (B.M.W) PORTLAOISE	057 86 21487	203	ROADSTONE ROOFTILES & CLAY BRICKS - CLONDALKIN	01 4571116
51	HARRINGTON CONCRETE (SLIGO) LTD	071 9167254	128	READYMIX (B.M.W) TULLAMORE	057 93 21485	204	ORMONDE BRICK LTD - CASTLECOMER	056 4441323
52	HENNESSY P & COMPANY	056 7727223	129	READYMIX (B.M.W) BALINAKILL	057 87 33532	205	TYRONE BRICK LTD - DUNGANNON	048 8772 3421
53	HOGAN, JOSEPH LTD	069 65550	130	READYMIX (B.M.W) MOYNE	049 4335266	206	WALLING PRODUCTS - FINGLAS	01 8581650
54	KELLY'S OF FANTANE CONCRETE LTD	0504 52118	131	READYMIX (B.M.W) CHARLESTOWN	094 9254188	207	RYAN BROS (ENNIS) LTD	065 6837644
55	KEOHANE READYMIX LTD - CLONAKILTY	023 38710	132	READYMIX (B.M.W) HILLSTREET	071 9637205	208	SUPERMIX CONCRETE LTD - CASTLEFIN	074 9146292
56	KEOHANE READYMIX LTD - INNISHANNON	021 4775599	133	READYMIX (SOUTHERN) SALES OFFICE - ROSSMORE	021 4533350	209	SUPERMIX CONCRETE LTD - LETTERKENNY	074 9126635
57	KILCARRIG QUARRIES LTD	059 9721617	134	READYMIX (SOUTHERN) CARLOW	053 93 77408	210	TARRANT, DENIS & SONS LTD	062 33332
58	KILKENNY BLOCK COMPANY LTD	056 7721438	135	READYMIX (SOUTHERN) KILKENNY	056 7761177	211	TECHRETE LTD	01 8398500
59	KILLESHAL PRECAST CONCRETE LTD	057 93 53018	136	READYMIX (SOUTHERN) LIMERICK	061 228633	212	TROTTER & SONS, D K.	071 9855209
60	KILSARAN CONCRETE LTD - DUNBOYNE	01 8251311	137	READYMIX (SOUTHERN) ROSSMORE	021 4883323	213	WEXFORD BLOCK LTD	053 91 59500
61	KILSARAN CONCRETE LTD - CLONEE	01 8251311	138	READYMIX (SOUTHERN) WATERFORD	051 832877	214	WHELAN QUARRIES LTD	065 6829124
62	KILSARAN CONCRETE LTD - GALLSTOWN	041 6861515	139	READYMIX (SOUTHERN) WEXFORD	053 91 58896	215	WOOD, JOHN A LTD - BARNAGORE	021 4800100
63	KILSARAN CONCRETE LTD - HANOVER QUAY	01 6774392	140	READYMIX (SOUTHERN) CLONMEL	052 33680	216	WOOD, JOHN A LTD - BALLYGARVAN	041 4888211
64	KILSARAN CONCRETE LTD - KILMESSAN	046 9025352	141	READYMIX (SOUTHERN) KILLEAGH	021 4883120	217	WOOD, JOHN A LTD - CAPPAGH	058 68073
65	KILSARAN CONCRETE LTD - LUCAN	01 6282911	142	READYMIX (SOUTHERN) GOOIG	061 377344	218	WOOD, JOHN A LTD - CARRIGTWOHILL	021 4532120
66	KILSARAN CONCRETE LTD - NAVAN	046 9023116	143	ROADSTONE DUBLIN - BELGARD	01 4041200	219	WOOD, JOHN A LTD - BALLYEGAN	066 7137115
67	KILSARAN CONCRETE LTD - TALLAGHT	01 4515433	144	ROADSTONE - ALLEN	045 860111	220	WOOD, JOHN A LTD - CLASSIS	021 4850750
68	KILSARAN CONCRETE LTD - TULLAMORE	057 93 21727	145	ROADSTONE - ARKLOW	0402 32016	221	WOOD, JOHN A LTD - KILLARNEY	064 31974
69	KILSARAN CONCRETE LTD - KILCULLEN	045 485260	146	ROADSTONE - BALLYADAMS	059 8627110	222	WOOD, JOHN A LTD - MALLOW	022 42173
70	KILSARAN CONCRETE LTD - THE CURRAGH	045 481011	147	ROADSTONE - BELGARD	01 4041200	223	WOOD, JOHN A LTD - TRALEE	066 7126117
71	KILSARAN CONCRETE LTD - RATHMOYLON	046 9557968	148	ROADSTONE - DE SELBY	01 4041200	224	WOOD, JOHN A LTD - COOLMORE	021 4378574
72	KILSARAN CONCRETE LTD - ENFIELD	046 9541666	149	ROADSTONE - DORANS	045 865106	225	WOOD, JOHN A LTD - GARRYHESTA	021 4871160
73	KILSARAN CONCRETE LTD - BRITTAS	01 4582430	150	ROADSTONE - FASSAROE	01 2867194	226	WOOD, JOHN A LTD - INCHIGAGGIN	021 4544711
74	KILSARAN CONCRETE LTD - NAUL	01 8412866	151	ROADSTONE - FELTRIM	01 8450246	227	WOOD, JOHN A LTD - KILEADY	021 4885176
75	KILSARAN CONCRETE LTD - SOUTH BANK ROAD	01 6077101	152	ROADSTONE - HUNTSTOWN	01 8343311	228	WRIGHT QUARRY PRODUCTS LTD	042 9744811
76	KILSARAN CONCRETE LTD - KILRATHMURRAY	046 9551530	153	ROADSTONE - KILMACANOGUE	01 2868166			
77	LACKAGH QUARRY GROUP	091 562862	154	ROADSTONE - KILTERNAN	01 2822144			

# CONCRETE PRODUCTS

## DIRECTORY

3RD EDITION 2005

A NATION-WIDE DATABASE OF CONCRETE PRODUCTS,  
ROAD-MAKING MATERIALS AND PRODUCERS

### Disclaimer

This Concrete Products Directory has been prepared by the Irish Concrete Federation in consultation with its members and with technical assistance from the Concrete Development Group, Technical Committee, the N.S.A.I. and the Concrete Society.

Every care has been taken to ensure that the information contained herein is correct and accurate at the date of publication. However, the Irish Concrete Federation Ltd and/or its Associates cannot accept any responsibility or liability for any errors, inaccuracies or omissions which may have occurred inadvertently.



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## Foreword

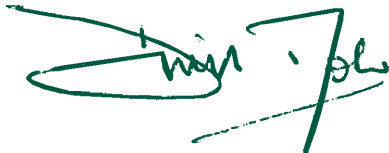
I wish to congratulate the Irish Concrete Federation on the publication of the third edition of the Concrete Products Directory. The fact that there is a demand for a third edition is proof in itself of the success and usefulness of this publication.

I cannot emphasise enough the importance of the construction industry to the Irish economy. It now accounts for over one fifth of GDP and directly employs over 230,000 people. Over the past decade the industry has undergone a period of remarkable growth, particularly in the housing sector. The good news for suppliers of building materials, such as yourselves, is that this level of activity is likely to continue for the foreseeable future.

The key factors to ensuring a healthy future for the construction industry are competition and choice. When demand and growth are high it would be all too easy to become complacent. It is important that we do all we can to ensure the industry remains competitive and innovative and that cost inflation is kept in check.

This is why publications such as this Directory are to be welcomed. The Directory provides customers with an up-to-date list of suppliers for the variety of concrete products. It is informative and user-friendly and can only encourage healthy competition amongst suppliers.

I wish the Irish Concrete Federation continued success with this publication in the years ahead.

A handwritten signature in black ink, appearing to read 'Dick Roche', with a stylized flourish extending from the end.

Dick Roche, T.D.  
Minister for the Environment, Heritage & Local Government.

## A message from the President of the Irish Concrete Federation.

The Irish Concrete Federation is proud to launch the 3rd Edition of the Concrete Products Directory and to bring all sectors of the construction industry up to date with the comprehensive range of products available from its members throughout the country.

This latest edition provides detailed information on a wide range of ready mixed and precast concrete, masonry, aggregates and road making materials that will assist customers and specifiers to source their requirements for site specific projects in a user friendly format. The listings are made on a regional basis that provides information on all the locations and facilities of each member. In addition to the hard copy this information is also on disc, on CD-ROM and on our website [www.irishconcrete.ie](http://www.irishconcrete.ie). This provides valuable assistance to the private builder as well as to contractors, architects and engineers for all building projects, large and small.

In supporting the Irish Concrete Federation members that comprise this directory, purchasers are assured that they are dealing with companies who take their corporate and social responsibilities seriously and who comply with their statutory obligations in a professional manner in a changing world where compliance is paramount.

Members have successfully responded to the unprecedented demand for their products brought about to meet the needs of the National Development Plan since its introduction in 2000 together with a corresponding increase in private housing and industrial and commercial development. They have made the necessary investments to sustain this demand and to meet the challenges of the future. They are committed to providing high quality products that meet the latest Irish and European quality standards in an efficient manner and at cost effective prices.

I thank all our customers for their support over the years and assure them that the Irish Concrete Federation and its members will continue to provide them with quality products, service and professional support in the future.



Declan McCartney

President

**Page**

Inside Front Cover	<b>Producers Location Map</b> Map of Ireland with member reference numbers linked to the Producers Listing.
Inside Front Cover	<b>Producers Listing</b> Companies whose products are included in the directory presented in alphabetical order with a member reference number which is linked to: <ul style="list-style-type: none"> <li>• Producers Location Map</li> <li>• Product - Producer Tables</li> <li>• Company Information</li> </ul>
2	<b>Foreword</b> Dick Roche, T.D. Minister for the Environment, Heritage & Local Government.
3	<b>ICF President's Message</b> Declan McCartney, President.
5	<b>How To Use Concrete Products Directory</b> An example of how to source a product or producer within the directory.
6	<b>Product Categories Index</b> Products and materials presented by category based on product type or use. Product categories are cross referenced to the Product - Producer Tables.
7	<b>Products and Materials Index</b> Alphabetical listing of products and materials included in the directory with entries cross referenced to the Product - Producer Tables.
8 - 16	<b>Product -Producer Tables</b> Products and Materials grouped in Product Categories, tabulated against a provincial based listing of Producers. The producer entries are referenced to the Location Map and to the Company Information Section.
17 - 63	<b>Company Information</b> Detailed producer profiles presented in alphabetical order and indexed by the member reference number.
65 - 104	<b>Technical Commentary</b> A technical commentary on products and materials included in the directory. The commentary follows the product categories defined for the Product - Producer Tables

## How to use the Concrete Products Directory

**Example:** If you wish to source a supplier of concrete blocks - first refer to the Products and Materials Index on page 7.

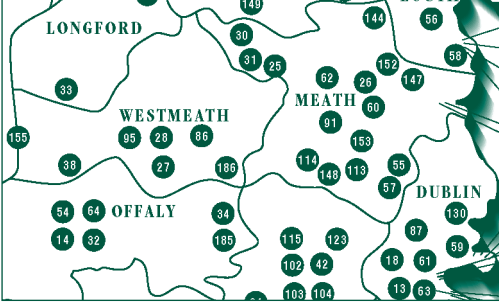
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Concrete Blocks are listed on pages 8 to 12

COMPANY NAME	Telephone	Page No.	Member Ref. Number	Ready Mixed Materials				Masonry				Aggregates & Road Making Materials																	
				Concrete (Ready-mixed)	Mortar	Plaster (Ready) / Dabing	Special Design Concrete	Bricks	Face & Sp. History Facing Bricks	Screen Blocks	Specials	Block-End-on-Block	Aggregate (Including decorative Aggregate)	All-Weather Paved Sand	Lime & Limestone Filler	Sand	Chippings	Clause 804	Crushed Stone	Gravel	Hardcore	Quarry Stone	Reinforced Earth	Road Making Materials	Road Surfacing Materials	Banking	Wet Mix Macadam		
<b>LEINSTER</b>																													
Banagher Concrete Ltd	057 9151417	17	002	•																									
Boggan Quarry Products Ltd	053 91 58039	17	003	•																									
Booth Concrete Products	057 31840	18	004	•	•																								
Condron Concrete Works	057 9349000	21	013																										
CPI Ltd	01 6302700	22	017	•	•	•																							
Duffy Concrete Products Ltd	042 9376799	23	021	•																									
Flanagan Concrete Ltd	045 524111	25	027	•																									
Flood, B.D. Ltd - Head Office	049 8541477	26	028	•																									
Flood, B.D. Ltd (Carnaross)	046 45240	26	029	•																									
Flood, B.D. Ltd (Crookedwood)	044 9371569	26	030	•																									
Flood, B.D. Ltd (Killucan)	044 9374229	26	031	•																									
Flood, B.D. Ltd (Murrens)	049 8542047	26	032	•																									
Flood, B.D. Ltd (Lavey)	049 4330705	26	033	•																									
Gannon, John & Sons Ltd	057 9332126	27	041	•																									
Hanlon Concrete Products Ltd	045 860149	29	046	•																									
Kilcarrig Quarries Ltd	059 9721617	32	057	•	•																								
Kilkenny Block Company	056 7721438	33	058	•																									

On pages 8 - 12 the tables set out on a provincial basis the suppliers of concrete blocks with their telephone numbers, and reference number linked to the map on the inside front cover. Also listed is a page number which details further information on the supplier and other products they manufacture.

	<b>GANNON, JOHN &amp; SONS LTD.</b>	<b>M-041</b>
ADDRESS CONTACT NAME PHONE FAX E-MAIL ADDRESS I.C.M.A. QUALITY CERT SCHEME RMC CAPACITY LORRIES CONVEYORS ADDITIONAL COMMENTS PRODUCTS	Split Hill Quarries, Hazelwood, Kilbeggan, Co. Westmeath. Patricia Gannon 057 93 32126 057 93 32271 gannonconcrete@eircom.net ✓ 35 M <sup>3</sup> Hr 9 1  Aggregates, Blocks, Bricks, Chippings, Clause 804, Concrete, Crushed Stone, Filling, Gravel, Hardcore, Octoblocks - 1.4x.70x.80m, Readymixed Concrete, Road Making Materials, Sand, Stone.	



For a speedy method of locating a Producer in any given area refer to Producers Location Map and Listing on Inside Front Cover.

## Product Categories Index

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<p><b>Masonry</b> Blocks Bricks Fair Faced &amp; Split Masonry Facing Bricks Screen Blocks Special Bricks Rustic Random Blocks</p>	<p><b>8 - 12</b></p>	<p><b>Precast Concrete – Architectural</b> Exposed Aggregate Panels Architectural Precast Concrete Panels Architectural GRC Panels</p>	<p><b>13 - 14</b></p>
<p><b>Materials for Concrete &amp; Mortar</b> Aggregates All Weather Pitch Sand Lime Sand Chippings</p>	<p><b>8 - 12</b></p>	<p><b>Precast Concrete – Civil Works</b> Armour Break Water Units Harbour and Marine Units All Weather Pitch Sand Culvert Units Fencing and Fencing Posts Gate Marker Security Posts Gulley Boxes Kerbs Manhole Base, Sections and Covers Pipes Pre-Stressed Reservoirs and Water Tanks Retaining Wall Units Tunnel Segments Septic Tanks Water Filters</p>	<p><b>15 - 16</b></p>
<p><b>Materials for Road Making</b> Clause 804 Crushed Stone Gravel Hardcore Quarry Stone Reinforced Earth Road Making Materials Road Surfacing Materials Blacktop Wet Mix Macadam</p>	<p><b>8 - 12</b></p>	<p><b>Precast Concrete – Building Components</b> Cappings Sills Lintels Roof Tiles Cycle Blocks</p>	<p><b>15 - 16</b></p>
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All Weather Pitch Sand	8 - 12	Manhole Base Sections & Covers	15 -16
Architectural GRC Panels	13 - 14	Mortar	8 - 12
Architectural Masonry	13 - 14	Paddock Fencing	13 - 14
Architectural Precast Concrete Panels	13 - 14	Paving	13 - 14
Armour Break Water Units	15 -16	Pipes	15 -16
Balconies	15 -16	Plaster	8 - 12
Balustrades	13 - 14	Pre-stressed Beams	15 -16
Blacktop	8 - 12	Pre-stressed Reservoirs & Water Tanks	15 -16
Blocks	8 - 12	Precast Concrete Housing	15 -16
Bollards	13 - 14	Precast Portable Silage Walls	13 - 14
Bricks	8 - 12	Quarry Stone	8 - 12
Bridge Beams & Units	15 -16	Reconstituted Stone	13 - 14
Cappings	15 -16	Reinforced Earth	8 - 12
Sills	15 -16	Render	8 - 12
Clause 804	8 - 12	Reservoirs	15 -16
Concrete (Readymixed)	8 - 12	Retaining Wall Units	15 -16
Crushed Stone	8 - 12	Road Making Materials	8 - 12
Culvert Units	15 -16	Road Surfacing Materials	8 - 12
Cycle Blocks	15 -16	Roof Tiles	15 -16
Dashing	8 - 12	Roof Beams	15 -16
Double T Units	15 -16	Rustic Random Blocks	8 - 12
Exposed Aggregate Paving	13 - 14	Sand	8 - 12
Exposed Aggregate Panels	13 - 14	Screen Blocks	8 - 12
Facing Bricks	8 - 12	Septic Tanks	15 -16
Fair Faced & Split Masonry	8 - 12	Silage Walls	13 - 14
Fencing & Fencing Posts	15 -16	Slats	13 - 14
Flagstones	13 - 14	Slatted Tanks & Farm Buildings	13 - 14
Floor & Roof Units	15 -16	Special Bricks	8 - 12
Floor Beams	15 -16	Special Design Concrete Units	15 -16
Gate Marker Security Posts	15 -16	Stadium Seating	15 -16
Gravel	8 - 12	Stairs	15 -16
Grolime	13 - 14	Structural Frames / PC Frames	15 -16
Ground Limestone	13 - 14	Terrazzo Floor Tiles	13 - 14
Gulley Boxes	15 -16	Troughs	13 - 14
Harbour & Marine Units	15 -16	Tunnel Segments	15 -16
Hardcore	8 - 12	Wall Panels	15 -16
Kerbs	15 -16	Water Filters	15 -16
Lightweight / Insulated Blocks	13 - 14	Weighbridge Units	15 -16
Lime	8 - 12	Wet Mix Macadam	8 - 12
Lintels	15 -16		











# IRISH CONCRETE FEDERATION PRODUCT DIRECTORY

## Precast Concrete

COMPANY NAME	Telephone	Page No.	Member Ref Number	Precast Concrete																		
				Light Weight Blocks	Building Facing Stone	Architectural Masonry	Ground Line Stone	Padlock Fencing	Slag Walls	Slabs	Stacked Tanks & Farm Bridges	Troughs	Exposed Aggregate Paving	Flag Stones	Paving	Terrazzo Floor Tiles	Exposed Aggregate Panels	Arch. Precast Panels	Architectural GRC Panels	Reconstituted Stone	Architectural	Street Furniture
<b>CONNAUGHT</b>																						
Hanly Bros Ltd	071 9630000	29	047																			
Harrington, Frank Ltd Mayo	094 9367072	30	048																			
Harrington, Frank Ltd Galway	091 791137	30	049																			
Harrington, Frank Ltd Sligo	071 9167254	30	051																			
Lackagh Quarry Group	091 562862	36	077																			
McGrath Concrete Products Ltd	065 6835125	39	089																			
McGraths Limestone Works Ltd	094 9540940	39	086																			
Molloy Concrete Ltd	096 21164	40	090																			
Moylough Concrete Products Ltd	093 28800	41	093																			
Quinn Quarrying & Concrete Ltd	094 9643010	45	107																			
Roadstone - Boyle	071 9662057	56	178																			
Roadstone - Castlebar	094 9021266	56	180																			
Roadstone - Castlemine	090 6629511	56	181																			
Roadstone - Galway	091 709060	56	182																			
<b>MUNSTER</b>																						
Castlemore Quarries Ltd	021 7336336	19	008																			
Coppeen Sand & Gravel	023 47205	21	015																			
Drinoleague Concrete Works Ltd.	027 50198	23	019																			
Ducon Concrete Ltd	029 56037	23	020																			
Gleeson Concrete Ltd	062 76111	28	042																			
Gleeson Quarries	052 56117	28	043																			
Kelly's of Fantane Concrete Ltd	0504 52118	31	054																			
Keohane Readymix Ltd (Clonakilty)	023 38710	32	055																			
Keohane Readymix Ltd	021 4775599	32	056																			
McGrath Concrete Products Ltd	065 6835125	39	098																			
O'Neill, Finbarr Ltd	021 4871933	42	096																			
Precast Products Ltd	051 374048	44	104																			
Roadstone - Ballyneety	061 351253	57	185																			
Whelan Quarries Ltd	065 6829124	61	214																			
<b>ULSTER</b>																						
P. Clarke & Sons, Lisnaskea	048 67721286	19	009																			
Finlay Breton Ltd	048 85568441	24	025																			
McCaffrey, P. & Sons	074 9734036	38	085																			
O'Reilly Bros Ltd	042 9667237	42	097																			
Roadstone - Ballintra	074 9734022	56	177																			
Roadstone - Carrndonagh	074 9374114	56	179																			
Wright Quarry Products	042 9744811	63	228																			







# COMPANY INFORMATION

A	ARDFERT QUARRY PRODUCTS	M-001
ADDRESS	<b>Sackville, Ardfert, Co. Kerry</b>	
CONTACT NAME	<b>Joe Doyle</b>	
PHONE	<b>066 7134144</b>	
FAX	<b>066 7134378</b>	
E-MAIL ADDRESS	<b>jdoyle@aqp.ie</b>	
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY	<b>40 M<sup>3</sup> Hr</b>	
LORRIES	<b>10</b>	
CONVEYORS	<b>4</b>	
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Blocks, Clause 804, Concrete, Crushed Stone, Lime, Quarry Stone.</i>	

B	BANAGHER CONCRETE LTD	M-002
ADDRESS	<b>Queen Street, Banagher, Co. Offaly</b>	
CONTACT NAME	<b>Barry Keenaghan</b>	
PHONE	<b>057 91 51417</b>	
FAX	<b>057 91 51558</b>	
E-MAIL ADDRESS	<b>info@bancrete.com</b>	
ISO 9001 QUALITY ASSURANCE	✓	
RMC CAPACITY	<b>70 M<sup>3</sup> hr</b>	
LORRIES	<b>8</b>	
CONVEYORS	<b>3</b>	
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<p><b>Aggregates:</b> <i>Clause 804, Crushed Stone, 20mm, 14mm, 8mm Chippings,</i></p> <p><b>Concrete:</b> <i>Blocks &amp; Readymix,</i></p> <p><b>Precast Prestressed Concrete:</b> <i>Bridge Beams, Tunnel Segments, Reinforced Earth Panels, GRC Decking, Footbridge Units, Culverts, Frames &amp; Double Tee Flooring, Specially Designed Units, Retaining Walls, Delta Bloc Road Barriers, Slatted Floors for Animal Housing.</i></p>	

	BOGGAN (QUARRY PRODUCTS) LTD	M-003
ADDRESS	<b>Kilmacree, Drinagh, Co. Wexford.</b>	
CONTACT NAME	<b>Jim Boggan</b>	
PHONE	<b>053 91 58039</b>	
FAX	<b>053 91 58974</b>	
E-MAIL ADDRESS	<b>boggangroup@eircom.net</b>	
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY	<b>100 M<sup>3</sup> hr</b>	
LORRIES	<b>5</b>	
CONVEYORS		
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Chippings, Crushed Stone, Gravel, Hardcore, Quarry Stone, Road Making Materials, Readymixed Concrete, Road Surfacing Materials, Sand.</i>	

**BOOTH CONCRETE PRODUCTS LTD**

**M-004**

ADDRESS	<b>Ballymullen, Abbeyleix, Co. Laois.</b>	
CONTACT NAME	<b>Pat Booth / Peter Booth</b>	
PHONE	<b>057 31840</b>	
FAX	<b>057 31915</b>	
E-MAIL ADDRESS	<b>peterbooth@boothconcrete.com</b>	<b>www.boothconcrete.com</b>
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY	<b>100 M<sup>3</sup> Hr</b>	
LORRIES	<b>9</b>	
CONVEYORS	<b>3</b>	
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Blocks, Chippings, Silts, Concrete, Crushed Stone, Gravel, Light Weight Blocks, Lintels, Pre-fabricated Chimneys, Quarry Stone, Prestressed Concrete Flooring, Readymix Mortar, Sand, Stone.</i>	

**C**

**CANNON CONCRETE PRODUCTS LTD**

**M-005**

ADDRESS	<b>Oranhill, Oranmore, Co. Galway</b>	
CONTACT NAME	<b>Thomas Molloy</b>	
PHONE	<b>091 794104</b>	
FAX	<b>091 794141</b>	
E-MAIL ADDRESS	<b>cannon@iol.ie</b>	
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY	<b>100 M<sup>3</sup> Hr</b>	
LORRIES	<b>22</b>	
CONVEYORS	<b>1</b>	
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Blocks, Concrete.</i>	

**CASSIDY BROS CONCRETE PRODUCTS LTD (BUNCRANA)**

**M-006**

ADDRESS	<b>Gransha, Bunrana, Co. Donegal.</b>	
CONTACT NAME	<b>Seamus Cassidy</b>	
PHONE	<b>074 93 61777</b>	
FAX	<b>074 93 61972</b>	
E-MAIL ADDRESS	<b>info@cassidybros.ie</b>	
I.C.M.A. QUALITY CERT SCHEME	<b>3</b>	
RMC CAPACITY	<b>50 M<sup>3</sup> Hr</b>	
LORRIES	<b>8</b>	
CONVEYORS		
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Blocks, Bricks, Chippings, Clause 804, Concrete, Crushed Stone, Gravel, Hardcore, Mortar, Quarry Stone, Road Making/Surfacing Materials, Sand, Stone, Wet Mix Macadam.</i>	

# COMPANY INFORMATION

## CASSIDY BROS CONCRETE PRODUCTS (FALCARRAGH) LTD M-007

ADDRESS CONTACT NAME PHONE FAX E-MAIL ADDRESS I.C.M.A. QUALITY CERT SCHEME ISO 9001 QUALITY ASSURANCE RMC CAPACITY LORRIES CONVEYORS ADDITIONAL COMMENTS PRODUCTS	<b>Fawnmore, Falcarragh, Co. Donegal.</b> <b>Anthony Cassidy</b> <b>074 9135253</b> <b>074 9135324</b> <b>cassidyconcrete@yahoo.ie</b> ✓ <b>yes</b> <b>42 M³ Hr</b> <b>6 mixers &amp; 2 block lorries.</b> I  <i>Aggregates, Blocks, Bricks, Chippings, Clause 804, Concrete, Crushed Stone, Gravel, Hardcore, Quarry Stone, Precast Flooring, Lintels, Sills, Kerbs, Flue Starters, Walls Caps, Chimney Caps, Road Making/Surfacing Materials, Sand, Stone, Wet Mix Macadam.</i>
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## CASTLEMORE GROUP SALES LTD M-008

ADDRESS CONTACT NAME PHONE FAX E-MAIL ADDRESS I.C.M.A. QUALITY CERT SCHEME & ISO9002 RMC CAPACITY LORRIES CONVEYORS PUMPS ADDITIONAL COMMENTS PRODUCTS	<b>Crookstown, Co. Cork.</b> <b>Con Foley</b> <b>021 7336336</b> <b>021 7336404</b> <b>readymix@castlemore.ie</b> ✓ <b>50 M³ Hr</b> <b>9</b> I  <b>All types of crushed limestone including clause products for road construction, limestone fines for various industries.</b> <i>Aggregates, Pitch Sand, Rock Armour Break Units, Bricks, Chippings, Clause 804 &amp; 810, Readymix Concrete, Crushed Stone, Quarry Stone, Gravel, Grolime, Ground Limestone, Hardcore, Lime, Paving, Road Making Materials, Washed Sand &amp; Gravel.</i>
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## CLARKE, P & SONS LTD (DRUNG) M-009

ADDRESS CONTACT NAME PHONE FAX E-MAIL ADDRESS QSRMC QUALITY ASSURANCE RMC CAPACITY LORRIES CONVEYORS PUMPS ADDITIONAL COMMENTS PRODUCTS	<b>Drung, Co. Cavan.</b> <b>Tom Clarke</b> <b>049 4338162</b> <b>049 4338319</b> <b>drung@clarkeltd.com</b> ✓ <b>40 M³ Hr</b> <b>5</b> I  <b>Civil Engineering services available. New Prestressed Flooring Plant opening in March 2005.</b> <i>Aggregates, Blocks, Chimney Caps, Chippings, Sills, Paving, Slabs, Readymix Concrete, Concrete Rails, Dashing, Fencing Posts, Hardcore, Joinery Sills, Kerbs, Lintels, Quarry Stone, Ranch Post, Road Making/Surfacing Materials, Trowel Ready Mortar, Wall Panels, Sandstone and Limestone Building Stone Pre-Cut, Roof Trusses.</i>
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**CLARKE, P & SONS LTD (LISNASKEA)**

**M-O10**

ADDRESS	<b>Lisnaskea, Co. Fermanagh.</b>
CONTACT NAME	<b>Liam Curran</b>
PHONE	<b>048 677 21286</b>
FAX	<b>048 677 21207</b>
E-MAIL ADDRESS	<b>clarke@clarkeltd.com</b>
ISO 9002 QUALITY ASSURANCE	✓
RMC CAPACITY	<b>40 M<sup>3</sup> Hr</b>
LORRIES	<b>7</b>
CONVEYORS	<b>1</b>
PUMPS	
ADDITIONAL COMMENTS	<b>Civil Engineering &amp; Utilities service available. Televeyor available.</b>
PRODUCTS	<i>Aggregates, Blocks, Concrete, Bitmac, Asphalt, Paving Slabs, Precast Products: Precast &amp; Prestressed Concrete Lintels, Sills, Wall Coping, Pier Capping, Fencing, Kerbs, Chimney Caps, Fine Gatherers, Marker Posts, Slotted Posts, Wall Panels, Decorative Paving, Trowel Ready Mortar, Pre-Stressed Concrete Flooring, Pre-Cut Sandstone and Limestone, Building Stone and Roof Trusses.</i>

**CMC LTD**

**M-O11**

ADDRESS	<b>Ballygaddy Road, Tuam, Co. Galway.</b>
CONTACT NAME	<b>John Farragher</b>
PHONE	<b>093 24315</b>
FAX	<b>093 25447</b>
E-MAIL ADDRESS	
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>70 M<sup>3</sup> Hr</b>
LORRIES	<b>6</b>
CONVEYORS	<b>2</b>
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Blocks, Concrete, Crushed Stone, Sand.</i>

**CONCAST PRECAST GROUP**

**M-O12**

ADDRESS	<b>Hazelhatch, Newcastle, Co. Dublin.</b>
CONTACT NAME	<b>Tony O'Reilly / Caroline Quinn</b>
PHONE	<b>01 6288055 / 6</b>
FAX	<b>01 6272326 / 62</b>
E-MAIL ADDRESS	<b>info@concast.ie</b>
WEBSITE	<b>www.concast.ie</b>
ISO 9002 QUALITY ASSURANCE	✓
RMC CAPACITY	
LORRIES	
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	<b>Structural precast concrete specialists.</b>
PRODUCTS	<i>Precast Concrete Structural Frames, Wall Panels, Hollowcore Floors, Wideslab Floors, Stairs, Lift Cores, Car Park Spandrel Panels and Frames, Multi Storey or Single Storey Columns, Beams, Pitched Roof Beams, Sports Stadia Units, Culverts, Retaining Wall Units, Specialist Items, Balconies &amp; Precast Concrete Housing.</i>

# COMPANY INFORMATION

## CONDRON CONCRETE WORKS LTD

M-O13

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
WEB ADDRESS  
I.C.M.A. QUALITY CERT. SCHEME  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Arden Road, Tullamore, Co. Offaly.**

**John Condrón Jnr.**

**057 93 49000**

**057 93 41565**

**condronconcrete@eircom.net**

**www.condronconcrete.com**

✓

*Blocks, Pipes, Culverts, Gully Boxes, Manhole/Septic Tank Covers,  
Roof Tiles, Septic Tanks.*

## CONG CONCRETE PRODUCTS LTD

M-O14

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
WEB ADDRESS  
I.C.M.A. QUALITY CERT SCHEME  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Cregaree Quarries, Cong, Co. Mayo.**

**Billy McGrath or Keith McGrath**

**094 95 46022**

**094 95 46467**

**info@mcgrathsquarries.ie**

**www.mcgrathsquarries.ie**

✓

**500 M<sup>3</sup> Day**

**9**

**1**

**1**

*Readymixed Concrete, Blocks, Bricks.*

## COPPEEN SAND & GRAVEL CO. LTD

M-O15

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
I.C.M.A. QUALITY CERT SCHEME  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Coppeen, Enniskeane, Co. Cork.**

**Jim Barrett / Ned Barrett**

**023 47205**

**023 47587**

**copcrete@eircom.net**

✓

**40 M<sup>3</sup> Hr**

**7**

**2**

*Aggregates, Concrete, Chippings, Clause 804, Crushed Stone, Gravel, Hardcore, Mortar,  
Sand, Slatted Tanks and Farm Buildings, Wet Mix Macadam.*

**CORCORAN CONCRETE LTD**

**M-O16**

ADDRESS	<b>Ballinrobe Road, Westport, County Mayo.</b>
CONTACT NAME	<b>Sean Corcoran / Enda Moran</b>
PHONE	<b>098 25115 / 098 27018</b>
FAX	<b>098 29045</b>
E-MAIL ADDRESS	<b>corcon@anu.ie</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>80-100 M<sup>3</sup> Hr</b>
LORRIES	<b>7 Mixers</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Concrete, Crushed Stone, Precast Walling, Road Making Material, Wex Mix Macadam, Sand, All Weather Pitch Sand, Blocks, Bricks, Mortar.</i>

**CPI LTD**

**M-O17**

ADDRESS	<b>Lucan, Co. Dublin.</b>
CONTACT NAME	<b>Christy Dunne</b>
PHONE	<b>01 6302700</b>
FAX	<b>01 6280331</b>
E-MAIL ADDRESS	<b>sales@cpi.ie</b>
ISO 9002 QUALITY ASSURANCE	✓
RMC CAPACITY	
LORRIES	
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Blocks, Concrete, EuroMix Dry Mortar &amp; Renders.</i>

**MICHAEL CRONIN (READYMIX) LTD.**

**M-O18**

ADDRESS	<b>Coolcaslagh, Killarney, Co. Kerry.</b>
CONTACT NAME	<b>Michael Cronin</b>
PHONE	<b>064 31307 / 0862546887</b>
FAX	<b>064 32394</b>
E-MAIL ADDRESS	<b>mike@mcgroup.ie</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>60 M<sup>3</sup> Hr</b>
LORRIES	<b>18</b>
CONVEYORS	<b>2</b>
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, All Limestone &amp; Sandstone Products, All Weather Pitch Sand, Blocks Chippings, Concrete, Crushed Stone, Gravel, Hardcore, Plant Hire, Road Making/Surfacing Materials, Sand, Stone.</i>

D	DRIMOLEAGUE CONCRETE WORKS LTD	M-O19
ADDRESS	<b>Bredagh Cross, Drimoleague, Co. Cork.</b>	
CONTACT NAME	<b>Jeremiah Enright</b>	
PHONE	<b>027 50198</b>	
FAX		
E-MAIL ADDRESS	<b>most@eircom.net</b>	
ICMA QUALITY CERT SCHEME	✓	
RMC CAPACITY		
LORRIES		
CONVEYORS		
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Blocks, Bricks, Cappings, Chipping, Sills, Clause 804, Concrete, Crushed Stone, Fencing/Fencing Posts, Gravel, Hardcore, Kerbs, Lintels, Mortar, Paving, Quarry Stone, Road Making Materials, Sand.</i>	

	DUCON CONCRETE LTD	M-O20
ADDRESS	<b>Ballymaquirke, Kanturk, Co. Cork.</b>	
CONTACT NAME	<b>Frank Healy</b>	
PHONE	<b>029 56037</b>	
FAX	<b>029 56245</b>	
E-MAIL ADDRESS	<b>ducon@eircom.net</b>	
I.C.M.A. QUALITY CERT SCHEME & ISO 9002	✓	
RMC CAPACITY	<b>60 M<sup>3</sup> Hr</b>	
LORRIES	<b>12</b>	
CONVEYORS	<b>3</b>	
PUMPS		
ADDITIONAL COMMENTS	<b>Full range of quarry products.</b>	
PRODUCTS	<i>Aggregates, Clause 804, Crushed Stone, Hardcore, Quarry Stone, Road Making Materials, Road Surfacing Materials, Blocks, Concrete, Lintels, Wall Panels, Prestressed Concrete Floor Panels, Roof &amp; Wall Panels, Stadium Seating, Cattle Slats, Wide Slabs, Domesticcore Floor Panels, Concrete Stairs.</i>	

	DUFFY CONCRETE PRODUCTS LTD	M-O21
ADDRESS	<b>Jeninstown, Dundalk, Co. Louth.</b>	
CONTACT NAME	<b>Gerard Duffy</b>	
PHONE	<b>042 9376799</b>	
FAX	<b>042 9376794</b>	
E-MAIL ADDRESS		
QUALITY ASSURANCE	✓	
RMC CAPACITY	<b>60 M<sup>3</sup>Hr</b>	
LORRIES	<b>6</b>	
CONVEYORS		
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Readymixed Concrete</i>	

**DUGGAN QUARRIES**

**M-O22**

ADDRESS **Cullinagh, Dunmanway, Co. Cork**  
 CONTACT NAME **Alan Duggan**  
 PHONE **023 55011 / 086-2567213**  
 FAX **023 56859**

ADDRESS **Dermasafagh, Dunmanway, Co. Cork.**  
 CONTACT NAME **Alan Duggan**  
 PHONE **023 56670 / 086 2567213**

**M-O23**

ADDRESS **Caher, Kenmare, Co. Kerry.**  
 CONTACT NAME **Denis Duggan**  
 PHONE **064 41773 / 087 2487670**  
 FAX **064 42117**

**M-O24**

E-MAIL ADDRESS **dugganquarries@eircom.net**  
 I.C.M.A. QUALITY CERT SCHEME **✓**  
 RMC CAPACITY **50 M<sup>3</sup> Hr**  
 LORRIES **13**  
 CONVEYORS **2**  
 PUMPS

ADDITIONAL COMMENTS  
 PRODUCTS

*Readymixed Concrete, Concrete Blocks, Limestone Screenings, Ground Limestone, Sand (fine & sharp), 10mm & 20mm Chips, Clause 804, 4" Spalls, Crushed Stone, Gravel, 2" & 4" Hardcore, Quarry Rock, Gravel, Rockfill.*

**F**

**FINLAY BRETON (IRELAND) LTD**

**M-O25**

ADDRESS **Tinode, Blessington, Co. Wicklow.**  
 CONTACT NAME **Pat Reihill**  
 PHONE **01 4015200**  
 FAX **01 4015201**  
 E-MAIL ADDRESS **pat.reihill@finlaybreton.com**

QUALITY ASSURANCE  
 RMC CAPACITY  
 LORRIES  
 CONVEYORS  
 PUMPS  
 ADDITIONAL COMMENTS  
 PRODUCTS

*Concrete Structural Frame, Floor & Roof Beams & Units, Hollowcore Slabs, Industrial Frames, Multi-storey Frames, Precast Balconies, Portal Frames, Special Design Concrete Units, Stairs, Terrace Seating Units, Wall Panels.*

## FINLAY BRETON LTD

M-O26

ADDRESS	<b>Tullyvannon, Ballygawley, Co. Tyrone</b>
CONTACT NAME	<b>Brian Mulgrew</b>
PHONE	<b>048 855 68441</b>
FAX	<b>048 855 68447</b>
E-MAIL ADDRESS	<b>sales@finlaybreton.com</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>50,000 M<sup>3</sup> p.a.</b>
LORRIES	<b>10 (RMC)</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Pipes, Wall Units, Capping, Sills, Lintels, Bridge Beams, Floor &amp; Roof Beams, Prestressed Beams &amp; Concrete Floor/Roof/Wall Panels, Aggregates, Concrete, Blocks, Bricks, Exposed Aggr. Paving, Fair Faced/Split Masonry, Fencing, Flagstone, Gate Marker Security Posts, Gravel, Gully Box, Kerbs, Lightweight Blocks, Mortar, Paddock Fencing, Paving, Sand, Silage Walls, Slats, Slatted Tanks/Farm Building, Stairs, Balconies, Special Design Units.</i>

## FLANAGAN CONCRETE LTD

M-O27

ADDRESS	<b>Feighcullen, Rathangan, Co. Kildare.</b>
CONTACT NAME	<b>Bernard Flanagan</b>
PHONE	<b>045 524111</b>
FAX	<b>045 524452</b>
E-MAIL ADDRESS	<b>gail_flanagan@eircom.net</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>70 M<sup>3</sup> Hr</b>
LORRIES	<b>12</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Blocks, Concrete, Crushed Stone and Manufacturers of Concrete Blocks.</i>

FLOOD, B D LTD		M-O28
ADDRESS	Hilltown, Oldcastle, Co. Meath	
PHONE NUMBER	049 8541477	
FAX NUMBER	049 8541311	
ADDRESS	Carnaross, Kells, Co. Meath	M-O29
PHONE NUMBER	046 45240	
ADDRESS	Crookedwood, Mullingar, Co. Westmeath	M-O30
PHONE NUMBER	044 93 71569	
ADDRESS	Killucan, Mullingar, Co. Westmeath	M-O31
PHONE NUMBER	044 93 74229	
ADDRESS	Lavey, Co. Cavan	M-O32
PHONE NUMBER	049 4330705	
ADDRESS	Murrens, Oldcastle, Co. Meath	M-O33
PHONE NUMBER	049 8542047	
ADDRESS	Flood Flooring Ltd, Hilltown, Oldcastle, Co. Meath	M-O34
PHONE NUMBER	049 8541477	
FAX NUMBER	049 8541311	
CONTACT PERSON	Kevin Geraghty	
E-MAIL ADDRESS	info@floodflooring.com	
WEBSITE	www.floodflooring.com	
ICMA QUALITY CERT. SCHEME & ISO9002	✓	
RMC CAPACITY	90 M <sup>3</sup> Hr	
LORRIES	20 RMC, 14 Blocks, 27 Tipper	
CONVEYORS	4	
PUMPS		
PRODUCTS	<i>Aggregates, Blocks, Chippings, Clause 804, Concrete, Crushed Stone, Floor &amp; Roof Units, Floor Beams, Gravel, Hardcore, Pre-Stressed Beams, Wall Panels, Quarry Stone, Road Making / Surfacing Materials, Sand, Special Design Units, Stairs</i>	

# COMPANY INFORMATION

<b>G</b>		<b>GALVIN, MICHAEL &amp; SONS LTD (TULLAMORE)</b>	<b>M-O35</b>
ADDRESS		<b>Arden, Tullamore, Co. Offaly</b>	
CONTACT NAME		<b>A. Galvin</b>	
PHONE		<b>057 93 21485</b>	
FAX		<b>057 93 21862</b>	
ADDRESS		<b>Antley, Ballymahon, Co Longford</b>	<b>M-O36</b>
CONTACT NAME		<b>Richard Farrell</b>	
PHONE		<b>0902 32195</b>	
FAX		<b>0902 32048</b>	
ADDRESS		<b>Edenderry, Co Offaly</b>	<b>M-O37</b>
CONTACT NAME		<b>Kevin McGuire</b>	
PHONE		<b>0405 31041</b>	
FAX		<b>0405 33007</b>	
ADDRESS		<b>Dunmore, Kilkenny</b>	<b>M-O38</b>
CONTACT NAME		<b>John Gilligan</b>	
PHONE		<b>056 61177</b>	
FAX		<b>056 61182</b>	
ADDRESS		<b>Boggan Concrete Ltd, Walshestown, Killinick, Co Wexford</b>	<b>M-O39</b>
CONTACT NAME		<b>Jerry Kelly</b>	
PHONE		<b>053 91 58896</b>	
FAX		<b>053 91 58295</b>	
ADDRESS		<b>Readymix (Kildavin) Ltd, Bunclody, Co Wexford</b>	<b>M-O40</b>
CONTACT NAME		<b>Noel Leacy</b>	
PHONE		<b>053 93 77408</b>	
FAX		<b>053 93 77465</b>	
E-MAIL ADDRESS			
QUALITY ASSURANCE		✓	
RMC CAPACITY		<b>325 M<sup>3</sup> Hr</b>	
LORRIES		<b>50</b>	
CONVEYORS		<b>10</b>	
PUMPS			
ADDITIONAL COMMENTS		<b>Producing &amp; Laying Tarmacadam / Asphalt Road Surfacing Materials</b>	
PRODUCTS		<i>Aggregates, Blocks, Chippings, Clause 804, Readymix Concrete, Crushed Stone, Dashing, Fair Faced/Split Masonry, Gravel, Hardcore, Mortar, Plaster, Road Making/Surfacing Materials, Sand, Stone, Wet Mix Macadam.</i>	

		<b>GANNON, JOHN &amp; SONS LTD.</b>	<b>M-O41</b>
ADDRESS		<b>Split Hill Quarries, Hazelwood, Kilbeggan, Co. Westmeath.</b>	
CONTACT NAME		<b>Patricia Gannon</b>	
PHONE		<b>057 93 32126</b>	
FAX		<b>057 93 32271</b>	
E-MAIL ADDRESS		<b>gannonconcrete@eircom.net</b>	
I.C.M.A. QUALITY CERT SCHEME		✓	
RMC CAPACITY		<b>35 M<sup>3</sup> Hr</b>	
LORRIES		<b>9</b>	
CONVEYORS		<b>1</b>	
ADDITIONAL COMMENTS			
PRODUCTS		<i>Aggregates, Blocks, Bricks, Chippings, Clause 804, Concrete, Crushed Stone, Filling, Gravel, Hardcore, Octoblocks – 1.4x.70x.80m, Readymixed Concrete, Road Making Materials, Sand, Stone.</i>	

**GLEESON CONCRETE LTD**

**M-O42**

ADDRESS	<b>Donohill, Co.Tipperary</b>
CONTACT NAME	<b>Micheál Gleeson</b>
PHONE	<b>062 76111</b>
FAX	<b>062 76111</b>
E-MAIL ADDRESS	<b>gleesonconc@eircom.net</b>
WEB ADDRESS	<b>www.gleesonconcrete.com</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>100 M<sup>3</sup> Hr</b>
LORRIES	<b>10</b>
CONVEYORS	<b>1</b>
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Concrete Blocks, Readymix Concrete, Precast Concrete Floors, Bricks, Aggregates, Grolime, Sand, Chippings, Clause 804, Wet-mix Macadam, Roadsurfacing Materials, Roadmaking Materials, Crushed Stone, Hardcore, Gravel, Bollards, Concrete Barrier Blocks.</i>

**GLEESON QUARRIES LTD.**

**M-O43**

ADDRESS	<b>Laffansbridge, Thurles, Co. Tipperary</b>
CONTACT NAME	<b>Peter Gleeson</b>
PHONE	<b>052 56117</b>
FAX	<b>052 56117</b>
E-MAIL ADDRESS	<b>gleesonquarries@eircom.net</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>100 M<sup>3</sup> Hr</b>
LORRIES	<b>9</b>
CONVEYORS	<b>1</b>
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Blocks, Bollards, Bricks, Chippings, Clause 804, Concrete, Crushed Stone, Fair Faced Blocks, Gravel, Grolime, Ground Limestone, Hardcore, Lime, Mortar, Precast Concrete Floors, Quarry Stone, Road Making/Surfacing Materials, Sand, Stone, Wet Mix Macadam.</i>

**GREANEY CONCRETE PRODUCTS LTD**

**M-O44**

ADDRESS	<b>Stokesfield, Shanagolden, Co. Limerick.</b>
CONTACT NAME	<b>Helen Greaney</b>
PHONE	<b>069 65388</b>
FAX	<b>069 65449</b>
E-MAIL ADDRESS	<b>info@agconcrete.com</b>
QUALITY ASSURANCE	✓
RMC CAPACITY	
LORRIES	
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Manufacturers of Precast Concrete – Sills, Lintels, Prestressed Kerbs, Manhole Rings, Covers, Trapped Gullies.</i>

## GROGAN, AUSTIN & SONS LTD

M-O45

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
ISO9002 & I.C.M.A. QUALITY CERT SCHEME  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Cave, Ballyhaunis, Co. Mayo.**  
**Thomas Grogan**  
**094 9630072**  
**094 9630707**  
**groganconcrete@eircom.net**

✓  
**100 M<sup>3</sup> Hr**  
**8**  
**1**

*Aggregates, Blocks, Crushed Stone Filling, Hardcore, Readymixed Concrete, Road Making Materials, Sand, Stone.*

## H

## HANLON CONCRETE PRODUCTS LTD

M-O46

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
WEBSITE  
ISO9002 QUALITY ASSURANCE  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Lowtown, Robertstown, Naas, Co. Kildare.**  
**Damien Bourke**  
**045 860149 / 087 6385802**  
**045 870111**  
**hanlonconcrete@eircom.net**

**www.hanlonconcrete.ie**  
✓  
**90 M<sup>3</sup> Hr**  
**13**

*Aggregates, Blocks, Bricks, Clause 804, 616 & 505B, Crushed Stone, Gravel, Hardcore, Hollowcore Flooring, Light Precast Products, Washed Sand.*

## HANLY BROS LTD

M-O47

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
I.C.M.A. QUALITY ASSURANCE  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Laragan, Elphin, Co. Roscommon.**  
**Alan Tiernan**  
**071 96 30000**  
**071 96 35292**  
**sales@hbl.ie**

✓  
**90 M<sup>3</sup> Hr**  
**50**  
**5**

*Crushed Stone, Aggregates, Ground Limestone, Sand, Chippings, Clause 804, Building Demolition, Hardcore, Gravel, Road Making / Surfacing Materials, Wet Mix Macadam, Readymix Concrete, Concrete Blocks, Slatted Tanks / Farm Buildings, Industrial Building.*

**HARRINGTON, FRANK LTD**

**M-O48**

ADDRESS **Glan, Kilkelly, Co. Mayo**  
 CONTACT PERSON **Pat English**  
 PHONE NUMBER: **094 9367072**  
 FAX NUMBER **094 9367347**  
 E-MAIL ADDRESS **penglish@harringtonconcrete.ie**  
 I.C.M.A. QUALITY CERT SCHEME ✓  
 ISO9002 QUALITY ASSURANCE ✓  
 RMC CAPACITY **150 M<sup>3</sup> Hr**  
 LORRIES **7**  
 CONVEYORS **2**

ADDRESS **Ardgeenan, Claregalway, Co. Galway**  
 CONTACT PERSON **John Gibbons**  
 PHONE NUMBER **091 791137**  
 FAX NUMBER **091 791805**  
 I.C.M.A. QUALITY CERT SCHEME ✓  
 ISO9002 QUALITY ASSURANCE ✓  
 RMC CAPACITY **150 M<sup>3</sup> Hr**  
 LORRIES **5**  
 CONVEYORS **1**

**M-O49**

ADDRESS **Turlough, Castlebar, Co. Mayo.**  
 CONTACT PERSON **John Keaveney**  
 PHONE NUMBER **094 9031963**  
 FAX NUMBER **091 9031901**  
 I.C.M.A. QUALITY CERT SCHEME ✓  
 ISO9002 QUALITY ASSURANCE ✓  
 RMC CAPACITY **150 M<sup>3</sup> Hr**  
 LORRIES **2**

**M-O50**

ADDRESS **Harrington Concrete (Sligo) Ltd., Ballisodare, Co. Sligo**  
 CONTACT PERSON **Danny Coleman**  
 PHONE NUMBER **071 9167254**  
 FAX NUMBER **071 9167255**  
 I.C.M.A. QUALITY CERT SCHEME ✓  
 ISO9002 QUALITY ASSURANCE ✓  
 RMC CAPACITY **150 M<sup>3</sup> Hr**  
 LORRIES **5**  
 CONVEYORS **1**

**M-O51**

**PRODUCTS**

*Aggregates, Blocks, Chippings, Clause 804, Readymix Concrete, Concrete Bricks, Concrete Pipes, Crushed Stone, Fencing, Gravel, Hardcore, Kerbs, Mortar, Pipes, Pitch Sand, Quarry Stone, Road Making / Surfacing Materials, Sand, Slatted Tank / Farm Buildings, Wet Mix Macadam*

# COMPANY INFORMATION

## HENNESSY P & COMPANY

M-O52

ADDRESS	Sheestown, Kilkenny.
CONTACT NAME	Patrick Hennessy
PHONE	056 7727223
FAX	056 7727176
E-MAIL ADDRESS	hennessyconcrete@eircom.net
QUALITY ASSURANCE	
RMC CAPACITY	
LORRIES	6
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	Readymix Concrete, Washed Stone, Crushed Stone.

## HOGAN, JOSEPH LTD

M-O53

ADDRESS	Ballylin, Foynes, Co. Limerick.
CONTACT NAME	Gerard Kerney
PHONE	069 65550
FAX	069 65516
E-MAIL ADDRESS	hoganconcrete@eircom.net
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	60 M <sup>3</sup> Hr
LORRIES	8
CONVEYORS	1
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	Aggregates, Blocks, Chippings, Clause 804, Concrete, Crushed Stone, Hardcore, Lime, Quarry Stone, Road Making/Surfacing Materials, Sand.

## K

## KELLY'S OF FANTANE CONCRETE LTD

M-O54

ADDRESS	Borrisoleigh, Thurles, Co. Tipperary.
CONTACT NAME	P.J. Kelly
PHONE	0504 52118
FAX	0504 52200
E-MAIL ADDRESS	kfantane@eircom.net
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	70 M <sup>3</sup> Hr
LORRIES	8
CONVEYORS	1
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	Aggregates, Pitch Sand, Armour Break Units, Blocks, Bricks, Chippings, Clause 804, Concrete, Crushed Stone, Dashing, Gravel, Hardcore, Kerbs, Mortar, Plaster, Quarry Stone, Road Making/Surfacing Materials, Sand, Special Bricks, Stone, Floor Tiles, Wet Mix Macadam, High PSV Chippings.

**KEOHANE READYMIX LTD**

**M-O55**

<p>ADDRESS</p> <p>CONTACT PERSON</p> <p>PHONE NUMBER</p> <p>FAX NUMBER</p> <p>ADDRESS</p> <p>CONTACT PERSON</p> <p>PHONE NUMBER</p> <p>FAX NUMBER</p> <p>ISO9002 QUALITY ASSURANCE</p> <p>RMC CAPACITY</p> <p>LORRIES</p> <p>CONVEYORS</p> <p>PUMPS</p> <p>PRODUCTS</p>	<p><b>Ballgurteen, Rossmore, Clonakilty, Co. Cork</b></p> <p><b>Des McCarthy</b></p> <p><b>023 38710</b></p> <p><b>023 38944</b></p> <p><b>Dromkeen, Innishannon, Co. Cork</b></p> <p><b>Denis Keohane</b></p> <p><b>021 4775599</b></p> <p><b>021 4775474</b></p> <p>✓</p> <p><b>160 M<sup>3</sup> Hr</b></p> <p><b>25</b></p> <p><b>6</b></p> <p><i>Aggregates, Chippings, Clause 804, Concrete, Crushed Stone, Gravel, Hardcore, Road Making Materials, Mortar, Sand, Slatted Tank &amp; Farm Buildings</i></p>	<p><b>M-O56</b></p>
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**KILCARRIG QUARRIES LTD**

**M-O57**

<p>ADDRESS</p> <p>CONTACT NAME</p> <p>PHONE</p> <p>FAX</p> <p>E-MAIL ADDRESS</p> <p>I.C.M.A. QUALITY CERT SCHEME</p> <p>RMC CAPACITY</p> <p>LORRIES</p> <p>CONVEYORS</p> <p>PUMPS</p> <p>ADDITIONAL COMMENTS</p> <p>PRODUCTS</p>	<p><b>Bagenalstown, Co. Carlow.</b></p> <p><b>Tom McDonald</b></p> <p><b>059 9721617/059 9721716</b></p> <p><b>059 9722316</b></p> <p><b>sales@kilcarrigquarries.ie</b></p> <p>✓</p> <p><b>50 M<sup>3</sup> Hr</b></p> <p><b>10</b></p> <p><b>2</b></p> <p><b>Lorry Hire</b></p> <p><i>Aggregates, Blocks, Capping, Chippings, Sills, Clause 804, Concrete, Crushed Stone, Hardcore, Kerbs, Lime, Mortar, Dashing, Gravel, Grolime, Ground Limestone, Sand, Wet Mix Macadam.</i></p>
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# COMPANY INFORMATION

## KILKENNY BLOCK COMPANY LTD

M-O58

ADDRESS	Troyswood, Freshford Road, Kilkenny.
CONTACT NAME	John Wilson
PHONE	056 7721438
FAX	056 7751535
E-MAIL ADDRESS	kilkennyblockco@eircom.net
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	60M <sup>3</sup> Hr
LORRIES	9
CONVEYORS	1
ADDITIONAL COMMENTS	
PRODUCTS	Aggregates, Blocks, Blacktop, Bricks, Concrete, Gravel, Road Making, Materials, Road Surfacing Materials, Sand, Special Blocks.

## KILLESHAL PRECAST CONCRETE LTD

M-O59

ADDRESS	Daingean, Co. Offaly.
CONTACT NAME	Frank Mulligan
PHONE	057 93 53018
FAX	057 93 53272
E-MAIL ADDRESS	sales@killeshal.com
WEB ADDRESS	www.killeshal.com
ISO 9002 QUALITY ASSURANCE	✓
LORRIES	22
ADDITIONAL COMMENTS	National delivery service.
PRODUCTS	Ballustrades, Bollards, Bus Stop Kerbs, Cappings, Sills, Channel Kerbs, Cycle Blocks, Duct Covers, Exposed Aggregate Panels/Paving, Line Drainage, Fencing, Flagstones, Floor/Roof Units, Floor Beams, Security Posts, Gulley Boxes, Kerbs, Lintels, Litter Bins, Paving, Pre-stressed Beams, Special Design Units, Stairs, T. Beams, Precast Concrete Housing, Reinforced Earth, Traffic Management Kerbs, Crane Ballast Weights, , Facing Bricks, Balconies.

**KILSARAN CONCRETE LTD**

**M-O60**

HEAD OFFICE  
 CONTACT PERSON / DETAILS:  
 PHONE  
 FAX  
 I.C.M.A. QUALITY CERT SCHEME:  
 E-MAIL ADDRESS:  
 WEBSITE:

**Piercetown, Dunboyne, Co Meath**  
**Declan McCartney 041 6861515**  
**01 8251311**  
**01 8251782**  
 ✓  
**declan.mccartney@kilsaran.ie**  
**www.kilsaranpaving.ie**

ADDRESS  
 PHONE  
 FAX

**Clonee, Co. Meath**  
**01-8251311**  
**01-8251782**

**M-O61**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX

**Gallstown, Grangebellew, Drogheda, Co. Louth**  
**Peter Ryan / Dermot Morgan**  
**041 6861515**  
**041 6861188**

**M-O62**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX

**Hanover Quay, Dublin 2**  
**Mick McCreary**  
**01 6774392**  
**01 6714456**

**M-O63**

ADDRESS  
 PHONE  
 FAX

**Swainstown, Kilmessan, Co. Meath**  
**046 9025352/3**  
**046 9026244**

**M-O64**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX

**Adamstown, Newcastle Road, Lucan, Co Dublin**  
**Dave Foran**  
**01 6282911**  
**01 6282911**

**M-O65**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX

**Proudstown, Navan, Co Meath**  
**Roy Hegarty**  
**046 9023116**  
**046 9023475**

**M-O66**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX

**Balrothery Cross, Tallaght, Dublin 24**  
**Peter Ennis**  
**01 4515433**  
**01 4515297**

**M-O67**

**PRODUCTS:**

*Aggregates, Blocks, Bricks, Readymixed Concrete, Mortar, Chippings, Clause 804, Crushed Stone, Dashing, Exposed Aggregate Paving, Flagstones, FairFaced / Split Masonry, Gravel, Kerbs, Paving, Quarry Stone, Road Making & Resurfacing Materials, Sand, Stone, Wet Mix Macadam, Asphalt.*

## KILSARAN CONCRETE LTD

**M-O68**

ADDRESS **Bunaterin, Tullamore, Co Offaly**  
 CONTACT NAME **Mick O'Rourke**  
 PHONE **057 93 21727**  
 FAX **057 93 51032**

ADDRESS **Halverstown, Kilcullen, Co. Kildare**  
 CONTACT NAME **Donal Gibson**  
 PHONE **045 485260**

**M-O69**

ADDRESS **Ballysax, The Curragh, Co. Kildare**  
 CONTACT NAME **David McKeown**  
 PHONE **045 481011**

**M-O70**

ADDRESS **Rathmolyon, Co. Meath**  
 CONTACT NAME **Roy Hegarty**  
 PHONE **046 9557968**  
 FAX **046 9558147**

**M-O71**

ADDRESS **Rathcore, Enfield, Co. Meath**  
 CONTACT **Tommy O'Sullivan**  
 PHONE **046 9541666**  
 FAX **046 9541760**

**M-O72**

ADDRESS **Ballinascorney, Brittas, Co. Dublin**  
 CONTACT **Derry McKeown**  
 PHONE **01 4582430**  
 FAX **01 4582237**

**M-O73**

ADDRESS **Clashford, Naul, Co. Dublin**  
 CONTACT **Joe Clarke**  
 PHONE **01 8412866**  
 FAX **01 8412191**

**M-O74**

ADDRESS **South Bank Road, Dublin 4**  
 CONTACT **Damien Farrell**  
 PHONE **01 6077101**  
 FAX **01 6077129**

**M-O75**

ADDRESS **Kilrathmurray, Enfield, Co. Meath**  
 CONTACT **John Walsh**  
 PHONE **046 9551530**

**M-O76**

PRODUCTS: *Aggregates, Blocks, Bricks, Readymixed Concrete, Mortar, Chippings, Clause 804, Crushed Stone, Dashing, Exposed Aggregate Paving, Flagstones, FairFaced / Split Masonry, Gravel, Kerbs, Paving, Quarry Stone, Road Making & Resurfacing Materials, Sand, Stone, Wet Mix Macadam, Asphalt.*

L	LACKAGH QUARRY GROUP	M-O77
ADDRESS	<b>Hardiman House, Eyre Square, Galway.</b>	
CONTACT NAME	<b>John F. Dempsey</b>	
PHONE	<b>091 562862</b>	
FAX	<b>091 565646</b>	
E-MAIL ADDRESS	<b>info@lackagh.ie</b>	
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY		
LORRIES		
CONVEYORS		
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Blocks, Concrete, Crushed Stone, Ground Limestone, Hardcore, Quarry Stone, Road Making Materials, Road Surfacing Materials, Sand, Stone.</i>	

	LAOIS CONCRETE LTD (PORTLAOISE)	M-O78
ADDRESS	<b>Rathleague, Portlaoise, Co. Laois.</b>	
CONTACT NAME	<b>Joe Bergin</b>	
PHONE	<b>057 86 21487</b>	
FAX	<b>057 86 20323</b>	
ADDRESS	<b>Ballinakill, Co. Laois.</b>	<b>M-O79</b>
CONTACT NAME	<b>John Hearn</b>	
PHONE	<b>057 87 33532</b>	
E-MAIL ADDRESS		
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY	<b>100 M<sup>3</sup> Hr</b>	
LORRIES	<b>18</b>	
CONVEYORS	<b>3</b>	
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Blocks, Concrete, Crushed Stone Filling, Gravel, Sand, Screen Blocks.</i>	

	LENNON QUARRIES LTD.	M-O80
ADDRESS	<b>Glencastle, Bunnahowen, Ballina, County Mayo.</b>	
CONTACT NAME	<b>Mr T J Lennon</b>	
PHONE	<b>097 81297</b>	
FAX	<b>097 81734</b>	
E-MAIL ADDRESS	<b>lennonquarries@utvinternet.com</b>	
I.C.M.A. QUALITY CERT SCHEME & ISO9002	✓	
RMC CAPACITY	<b>70-80 M<sup>3</sup> Hr</b>	
LORRIES	<b>6</b>	
CONVEYORS		
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Clause 804, Concrete, Crushed Stone, Gravel, Hardcore, Quarry Stone, Road Making Materials, Sand, Stone, High PSV Road Chips.</i>	

# COMPANY INFORMATION

## LETTERKENNY CONCRETE & QUARRY PRODUCTS LTD **M-O81**

ADDRESS	<b>Cullion Road, Letterkenny, Co. Donegal.</b>
CONTACT NAME	<b>Pat Mailey /Cyril Coyle</b>
PHONE	<b>074 9122773</b>
FAX	<b>074 9126220</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>70 M<sup>3</sup> Hr</b>
LORRIES	<b>10</b>
CONVEYORS	<b>1</b>
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Pitch Sand, Blocks, Bricks, Concrete, Fair faced/Split Masonry, Floor/Roof Units, Gravel, Hardcore, Pre-Stressed Beams, Wall Panels, Sand, Stairs, Stone, New Reinforced Concrete "Home Floor" for Dwelling Houses.</i>

## LOUGHNANE CONCRETE (BIRR) LTD **M-O82**

ADDRESS	<b>Birr, Co. Offaly.</b>
CONTACT NAME	<b>Christy Loughnane</b>
PHONE	<b>057 91 20208</b>
FAX	<b>057 91 20584</b>
E-MAIL ADDRESS	<b>cloughnane@eircom.net</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>100 M<sup>3</sup> Hr</b>
LORRIES	<b>8</b>
CONVEYORS	<b>2</b>
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Bricks, Blocks, Chippings, Clause 804, Concrete, Crushed Stone, Fair Faced/Split Masonry, Gravel, Hardcore, Road Making/Surfacing Materials, Sand, Stone, Wet Mix Macadam, Mortar, Quarry Stone.</i>

## LIAM LYNCH QUARRIES LTD **M-O83**

ADDRESS	<b>Carrigeen, Croom, Co. Limerick.</b>
CONTACT NAME	<b>Thomas Lynch / John Lynch</b>
PHONE	<b>061 397246 / 087 2587834</b>
FAX	<b>061 397117</b>
QUARRY ADDRESS	<b>Kilfinny, Adare, Co. Limerick.</b>
PHONE	<b>061 396688</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>200 M<sup>3</sup> Day</b>
LORRIES	<b>13</b>
CONVEYORS	<b>2</b>
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Chippings, Clause 804, Concrete, Crushed Stone, Hardcore, Quarry Stone, Road Making/Surfacing Materials, Sand, Wet Mix Macadam, Crushed Limestone.</i>

M	McANDREW, MARTIN A. LTD	M-O84
ADDRESS	<b>Pearse Street, Ballina, Co. Mayo.</b>	
CONTACT NAME	<b>Beatrice Timlin</b>	
PHONE	<b>096 22086</b>	
FAX	<b>096 22709</b>	
E-MAIL ADDRESS	<b>mcandrews@indigo.ie</b>	
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY	<b>60 M<sup>3</sup> Hr</b>	
LORRIES	<b>10</b>	
CONVEYORS	<b>2</b>	
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Chippings, Pipes, Concrete, Crushed Stone, Dashing, Gravel, Hardcore, Mortar, Road Making/Surfacing Materials, Sand, All Weather Pitch Sand.</i>	

	McCAFFREY, P. & SONS	M-O85
ADDRESS	<b>Ballymagroarty Quarries, Ballintra, County Donegal.</b>	
CONTACT NAME	<b>Peter McKenna</b>	
PHONE	<b>074 97 34036</b>	
FAX	<b>074 97 34300</b>	
I.C.M.A. QUALITY CERT SCHEME	✓	
RMC CAPACITY	<b>50,000 M<sup>3</sup> p.a.</b>	
LORRIES	<b>7</b>	
CONVEYORS		
PUMPS		
ADDITIONAL COMMENTS		
PRODUCTS	<i>Aggregates, Asphalt, Pitch Sand, Chippings, Clause 804, Concrete, Crushed Stone, Hardcore, Quarry Stone, Road Making/Surfacing Materials, Sand, Slatted Tanks/Farm Bldgs., Stone, Wet Mix Blacktop.</i>	

## MCGRATHS LIMESTONE WORKS LTD. M-O86

ADDRESS CONTACT NAME PHONE FAX EMAIL WEBSITE	<b>Cregaree Quarries, Cong, County Mayo.</b> <b>Billy McGrath or Keith McGrath</b> <b>094 95 46022</b> <b>094 95 46467</b> <b>info@mcgrathsquarries.ie</b> <b>www.mcgrathsquarries.ie</b>	<b>M-O86</b>
ADDRESS CONTACT NAME	<b>Newbrook, Claremorris, Co. Mayo</b> <b>Danny Forde</b>	<b>M-O87</b>
CONTACT NAME PHONE EMAIL WEBSITE	<b>Billy McGrath or Keith McGrath</b> <b>094 95 40940</b> <b>info@mcgrathsquarries.ie</b> <b>www.mcgrathsquarries.ie</b>	<b>M-O88</b>
I.C.M.A. QUALITY CERT SCHEME LORRIES CONVEYORS PUMPS ADDITIONAL COMMENTS PRODUCTS	✓ 7 1  <i>Aggregates, Building Stone, Limestone Filler, Clause 804, Crushed Stone, Gravel, Grolime, Ground Limestone, Hardcore, Lime, Quarry Rock, Road Making/Surfacing Materials, Sand, Stone, Tarmacadam.</i>	

## MCGRATH CONCRETE PRODUCTS LTD. M-O89

ADDRESS CONTACT NAME PHONE FAX E-MAIL ADDRESS	<b>Fortane, O'Callaghan Mills, County Clare.</b> <b>Joe McGrath / Brian O'Dea</b> <b>065 6835125</b> <b>065 6835489</b> <b>mcgrathquarries@eircom.net</b>	
I.C.M.A. QUALITY CERT SCHEME RMC CAPACITY LORRIES CONVEYORS PUMPS ADDITIONAL COMMENTS PRODUCTS	✓ <b>140 cm Hr</b> <b>17</b> <b>3</b>  <i>Aggregates, Blocks, Chippings, Clause 804, Readymixed Concrete, Crushed Stone, Gravel, Grolime, Hardcore, Quarry Stone, Precast Hollowcore Flooring, Road Making Material, Ground Limestone, Wet Mix Macadam, Sand, All Grades of Aggregates.</i>	

**MOLLOY CONCRETE LTD**

**M-O90**

ADDRESS	<b>Connolly Street, Ballina, Co. Mayo.</b>
CONTACT NAME	<b>Murdoch Mullen</b>
PHONE	<b>096 21164</b>
FAX	<b>096 70634</b>
EMAIL	<b>molloyreadymix@eircom.net</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>400 mtrs p/day</b>
LORRIES	<b>9</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Pitch Sand, Blocks, Chippings, Clause 804, Concrete, Crushed Stone, Gravel, Hardcore, Road Making Materials, Sand, Slats, Stone.</i>

**MORONEY, PAT (BROADFORD) LTD**

**M-O91**

ADDRESS	<b>Derra, Broadford, Co. Clare.</b>
CONTACT NAME	<b>Mary O’Gorman</b>
PHONE	<b>061 473120</b>
FAX	<b>061 473190</b>
EMAIL	<b>pmb1@eircom.net</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	
LORRIES	<b>6</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Blocks.</i>

**MORRISSEY, DAN (IRL) LTD**

**M-O92**

ADDRESS	<b>Bennekerry, Co. Carlow.</b>
CONTACT NAME	<b>Kevin, Phil &amp; Andrew Morrissey</b>
PHONE	<b>059 9131464</b>
FAX	<b>059 9132091/9131553</b>
E-MAIL ADDRESS	<b>dmil@dmil.ie</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>200,000 M<sup>3</sup> per Year</b>
LORRIES	<b>19</b>
CONVEYORS	<b>4</b>
PUMPS	
ADDITIONAL COMMENTS	<b>Readymix plants at Clonmelsh, Bennekerry, Fenniscourt, Co. Carlow, Rathdrum, Kilpeddar, Co. Wicklow.</b>
PRODUCTS	<i>Aggregates, Asphalt, Armour Rock, Black Top, Blocks, Bricks, Capping, Chippings, Sills, Clause 804, Concrete, Crushed Stone, Dashing, Facing Stone, Fairfaced Blocks/Split Masonry, Fencing, Flagstones, Floor/Roof Units, Gravel, Ground Limestone, Hardcore, High PSV Stone, Kerbs,Lime, Lintels,Mortar, Wet Mix Blacktop, Quarry Stone.</i>

# COMPANY INFORMATION

## MOYLOUGH CONCRETE PRODUCTS LTD.

M-O93

ADDRESS	<b>Cloonascaragh, Tuam, Co. Galway.</b>
CONTACT NAME	<b>John Cleary</b>
PHONE	<b>093 28800</b>
FAX	<b>093 28818</b>
DEPOT	<b>Abbeytown, Ballisodare, Co. Sligo</b>
PHONE	<b>071 9133192</b>
FAX	<b>071 9133196</b>
EMAIL	<b>info@moyloughconcrete.com</b>
WEBSITE	<b>www.moyloughconcrete.com</b>
ISO9001 QUALITY ASSURANCE SCH.	✓
RMC CAPACITY	
LORRIES	
CONVEYORS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Concrete Flooring, Septic Tanks, Prestressed Lintels, Sills, Paving Slabs.</i>

## MULLAFARRY QUARRIES LTD

M-O94

ADDRESS	<b>Killala, Co. Mayo.</b>
CONTACT NAME	<b>May Smith</b>
PHONE	<b>096 32055</b>
FAX	<b>096 32498</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>60m<sup>3</sup> Hr</b>
LORRIES	<b>3</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Asphalt, Blocks, Chippings, Clause 804, Concrete, Crushed Stone, Fair Faced &amp; Split Masonery, Gravel, Hardcore, Quarry Stone, Road Making/Surfacing Materials, Stone, Wet Mix Macadam.</i>

## MURTAGH, SHAY (PRECAST) LTD

M-O95

ADDRESS	<b>Raharney, Mullingar, Co. Westmeath.</b>
CONTACT NAME	<b>Shay Murtagh</b>
PHONE	<b>044 74108</b>
FAX	<b>044 74552</b>
E-MAIL ADDRESS	<b>sales@shaymurtagh.ie</b>
ISO9002 QUALITY ASSURANCE	✓
RMC CAPACITY	<b>35 M<sup>3</sup> Hr</b>
LORRIES	<b>6</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<b>Integrated Management Systems - ISO 9001, ISO 14001, OHSAS 18001</b> <i>Sand, Aggregates, Bridge Beams, Culverts, Readymix Concrete, PC Frames, Pre-Stressed Beams, Precast Wall Panels, Reservoirs/Water Tanks, Domestic Treatment Systems, Septic Tanks, Rainwater Systems, Retaining Walls, Insulated Walls, Precast Manholes, Precast Lift Shafts, Utility Buildings, Slatted Tank/Farm Buildings, Road Furniture, Precast Stairs.</i>

**O'NEILL, FINBARR LTD****M-O96**

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
ISO 9002 QUALITY ASSURANCE  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Poulavone, Ballincollig, Co. Cork.**  
**Finbarr O'Neill Jr / Lucia O'Neill**  
**021 4871933**  
**021 4873623**  
**foneilltd@eircom.net**

✓  
**140Cm Per Hr**  
**26**  
**2**

**2 concrete plants & quarry at Clashanure, Ovens, Co. Cork.**

*Aggregates, Ballustrades, Blocks, Bollards, Capping, Chippings, Sills, Clause 804, Concrete, Crushed Stone, Fencing, Flagstones, Gravel, Hardcore, Kerbs, Lintels, Manhole/Septic Tank Covers, Mortar, Paving, Quarry Stone, Road Making/Surfacing Materials, Sand, Stairs, Stone.*

**O'REILLY BROS LTD****M-O97**

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
ISO9002 & I.C.M.A. QUALITY CERT SCHEME  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Kingscourt, Co. Cavan.**  
**Barry O'Reilly**  
**042 9667237**  
**042 9667311**  
**orbros@indigo.ie**

✓  
**100 M<sup>3</sup> Hr**  
**12**  
**3**

*Aggregates, Pitch Sand, Blocks, Bricks, Capping, Chippings, Sills, Clause 804, Concrete, Concrete Flooring, Crushed Stone, Fencing, Gravel, Hardcore, Kerbs, Light Weight Blocks, Lintels, Wall Panels, Quarry Stone, Wall Units, Road Making/Surfacing Materials, Sand, Slats, Stone, Prestressed Wall Units.*

**O'ROURKE BROS QUARRY PRODUCTS LTD****M-O98**

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
I.C.M.A. QUALITY CERT SCHEME  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Poulregan, Castlebridge, Co. Wexford.**  
**Jacqueline O'Rourke**  
**053 91 59297**  
**053 91 59300**

✓  
**20 M<sup>3</sup> Hr**  
**6**

*Aggregates, Pitch Sand, Blocks, Bricks, Capping, Cattle Drinking Troughs, Chippings, Sills, Clause 804, Concrete, Crushed Stone, Exposed Aggregate Paving, Fencing, Gate Marker Posts, Gravel, Hardcore, Kerbs, Lintels, Farmyard Tank-Covers, Paving, Pre-Stressed Beams, Silage Walls.*

## O'REILLY OAKSTOWN ENVIRONMENTAL

M-099

ADDRESS	<b>Oakstown, Trim, Co. Meath.</b>
CONTACT NAME	<b>Gordon Mitchell</b>
PHONE	<b>046 9431389 / 9431918</b>
LO-CALL	<b>1850 200702</b>
FAX	<b>046 9437054</b>
EMAIL	<b>info@oreillyoakstown.com</b>
WEBSITE	<b>www.oreillyoakstown.com</b>
ISO 9002 QUALITY ASSURANCE	✓
RMC CAPACITY	
LORRIES	
CONVEYORS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>BAF Sewerage Treatment Systems, Group Sewerage Treatment Systems, Septic Tanks, Large Attenuation Tanks, Oil/Water Separators, "L" Walls, Sills, Lintels, Cappings.</i>

## OLDBRIDGE CONCRETE PRODUCTS LTD.

M-100

ADDRESS	<b>Oldbridge, Drogheda, Co Louth.</b>
CONTACT NAME	<b>Declan Callaghan</b>
PHONE	<b>041 9833001 &amp; 041 9837941</b>
FAX	<b>041 9833003</b>
E-MAIL ADDRESS	<b>info@oldbridgeconcrete.ie</b>
WEBSITE	<b>www.bowland-stone.com</b>
QUALITY ASSURANCE	✓
RMC CAPACITY	
LORRIES	
CONVEYORS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Bowland Stone Range of Paving, Walling and Edging Decorative Aggregates, Capping, Sills, Aggregates, Exposed Aggregate Paving, Fencing, Flagstones, Kerbs, Lintels, Paving, Screen Blocks.</i>

## ORAN PRECAST LTD

M-101

ADDRESS	<b>Deerpark Industrial Estate, Oranmore, Co. Galway.</b>
CONTACT NAME	<b>Pat Fahey/John Dooley</b>
PHONE	<b>091 794537</b>
FAX	<b>091 794586</b>
E-MAIL ADDRESS	<b>info@oranprecast.ie</b>
WEBSITE	<b>www.oranprecast.ie</b>
BS8110 STANDARD QUALITY ASS.	✓
ISO 9002 QUALITY ASSURANCE	✓
RMC CAPACITY	
LORRIES	
CONVEYORS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Retaining Wall Units, Balconies, Floor and Roof Beams, Precast Concrete Housing, Pre-Stressed Beams, Special Design Concrete Units, Stadium Seating, Concrete Structural Frames, Floor and Roof Units, Pre-Stressed Concrete Floor, Roof and Wall Panels, Stairs.</i>

**ORMONDE BRICK**

**M-102**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX  
 ISO 9002 QUALITY ASSURANCE  
 RMC CAPACITY  
 LORRIES  
 CONVEYORS  
 PUMPS  
 ADDITIONAL COMMENTS  
 PRODUCTS

**Ardra, Castlecomer, Co. Kilkenny.**

**056 41323**  
**056 41314**

✓

*Bricks, Facing Bricks, Paving.*

**OWENS CONCRETE LTD**

**M-103**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX  
 E-MAIL ADDRESS  
 I.C.M.A. QUALITY CERT SCHEME  
 RMC CAPACITY  
 LORRIES  
 CONVEYORS  
 PUMPS  
 ADDITIONAL COMMENTS  
 PRODUCTS

**Gaulmoylestown, Knockdrin, Mullingar, Co. Westmeath.**

**John J. Owens**  
**044 93 72187**  
**044 93 72329**  
**owensgrp@iol.ie**

✓

**80 M<sup>3</sup> Hr**  
**9**  
**1**

*Aggregates, Blacktop (supplied & laid), Chippings, Clause 804, Concrete, Crushed Stone, Gravel, Hardcore, Prestressed Flooring & Wall Units, Precast Wall Panels, Quarry Stone, Road Making/Surfacing Materials, Sand, Slatted Tanks/Farm Bldgs., Stairs, Stone, Tarmacadam, Wet Mix Macadam.*

**P**

**PRECAST PRODUCTS LTD**

**M-104**

ADDRESS  
 CONTACT NAME  
 PHONE  
 FAX  
 E-MAIL ADDRESS  
 QUALITY ASSURANCE  
 RMC CAPACITY  
 LORRIES  
 CONVEYORS  
 PUMPS  
 ADDITIONAL COMMENTS  
 PRODUCTS

**Building 18, Airport Business Park, Killowen, Waterford.**

**Des Hctor / Martin O'Reilly**  
**051 374048**  
**051 371077**  
**des.hctor@finlaybreton.com**

✓

*Architectural Stone / Precast, Capping, Sills, Exposed Aggregate Panels, Reconstituted Stone, Stairs, Wall Units, Special Design Units, Stone, Architectural Masonry, GRC Panels.*

## PREMIER CONCRETE COMPANY LTD.

M-105

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
ICMA QUALITY ASSURANCE  
ISO9002 QUALITY ASSURANCE  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Fethard, County Tipperary**  
**Denis Walsh**  
**052 32224/31355/0862664040**  
**052 31355**  
**premierconcrete@eircom.net**  
✓  
**IS326 (1995) IS303 (1984 Quality Audit)**  
**500 M<sup>3</sup> per Day**  
**6**  
  
**Yes**

*Aggregates, Sand, Crushed Stone, Clause 804, Chippings, Gravel, Readymix Mortar.*

## Q

## QUINN MANUFACTURING LTD

M-106

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
QSRMC QUALITY ASSURANCE  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Derrylin, Co. Fermanagh.**  
**Paddy Mohan**  
**048 677 48866**  
**048 677 48800**  
**info@quinn-group.com**

✓  
**50 M<sup>3</sup> Hr**  
**12**  
**3**

*Agricultural Lime, All Sizes / Grades of Crushed Quarry Stone, Blacktop. Blocks, Concrete, Lintels, Light Weight Insulated Blocks, Portland Cement, Prestressed Flooring, Road Making / Surfacing Material, Roof Tiles, Stairs, T-Units, Wet Mix Macadam, Washed Sand & Gravel, Domestic & Commercial Radiators, Plastics, Polystyrene & Polyurethane Insulation.*

## QUINN QUARRYING & CONCRETE LTD

M-107

ADDRESS  
CONTACT NAME  
PHONE  
FAX  
E-MAIL ADDRESS  
ICMA QUALITY CERT SCHEME  
ISO9002 QUALITY ASSURANCE  
RMC CAPACITY  
LORRIES  
CONVEYORS  
PUMPS  
ADDITIONAL COMMENTS  
PRODUCTS

**Poleredmond, Williamstown, Co. Galway.**  
**Frank Murray**  
**094 9643010**  
**094 9643145**  
**williamstown@quinn-group.com**

**yes**  
✓  
**35,000 M<sup>3</sup> per year**  
**10**  
**2**

*Aggregates, Blocks, Concrete, Crushed Stone, Gravel, Quarry Stone, Road Surfacing Material, Roof Tiles, Sand, 11 Different Profiles of Concrete Blocks.*

**QUIRKE, M. F. & SONS****M-108**

ADDRESS	<b>Rangue, Killorglin, Co. Kerry,</b>
CONTACT NAME	<b>Tom Quirke</b>
PHONE	<b>066 9761558</b>
FAX	<b>066 9761415</b>
I.C.M.A. QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>40 - 50 M<sup>3</sup> Hr</b>
LORRIES	<b>7</b>
CONVEYORS	<b>3</b>
PUMPS	
ADDITIONAL COMMENTS	<b>Also provide a full range of builders providers materials. Contact Sean O'Shea (ph) 066 9472087 or (fax) 066 9472845. Civil Engineering and Demolition. Plant Hire Contractors.</b>
PRODUCTS	<i>Aggregates, Pitch Sand, Armour Break Units, Blocks, Chippings, Clause 804, Concrete, Crushed Stone, Culverts, Gravel, Hardcore, Quarry Stone, Road Making/Surfacing Materials, Sand, Stone.</i>

**R****READY MIXED CONCRETE (IRL.) LTD.****M-109**

ADDRESS	<b>Riverstown, Dundalk, Co. Louth.</b>
CONTACT NAME	<b>Joe Plunkett</b>
PHONE	<b>042 9376210/042 9376159</b>
FAX	<b>042 9376186</b>
EMAIL	<b>dundalkquarry@eircom.net</b>
I.C.M.A. QUALITY CERT SCHEME	✓
ISO 9001 QUALITY ASSURANCE	✓
RMC CAPACITY	<b>60 M<sup>3</sup> Hr</b>
LORRIES	<b>8</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Bricks, Blocks, Clause 804, Concrete, Crushed Stone, Gravel, Hardcore, Road Making Materials, Mortar, Sand, Stone.</i>

## READYMIX PLC

**M-110**

HEAD OFFICE  
 PHONE **01 8658700**  
 FAX **01 8556595**  
 E-MAIL **readymix@readymix.ie**

**5 - 23 East Wall Road, Dublin 3**

ADDRESS **Readymix (Eastern) Sales Office, Maudlins, Naas, Co. Kildare**  
 CONTACT NAME **Thomas Rooney**  
 PHONE **045 879355**  
 FAX **045 879354**  
 E-MAIL **easternregionsales@readymix.ie**

**M-111**

ADDRESS **Readymix (Eastern) Blackrock, Newtown Park Avenue, Blackrock, Co Dublin**  
 CONTACT NAME **Ronnie Dunne**  
 PHONE **01 2883011**  
 ISO 9002 QUALITY ASSURANCE **NSAI Registration Number 19.2452**  
 I.S. EN 206-1 LICENCE NUMBER **1.63.004**  
 RMC CAPACITY **50 m<sup>3</sup>/hr**  
 LORRIES **7**

**M-112**

ADDRESS **Readymix (Eastern) East Wall, 5 – 23 East Wall Road, Dublin 3**  
 CONTACT NAME **William Gavin**  
 PHONE **01 8556032**  
 ISO 9002 QUALITY ASSURANCE **NSAI Registration Number 19.2452**  
 I.S. EN 206-1 LICENCE NUMBER **1.63.001**  
 RMC CAPACITY **90 m<sup>3</sup>/hr**  
 LORRIES **13**

**M-113**

ADDRESS **Readymix (Eastern) Gormanston, Sarsfield, Gormanston, Co Meath**  
 CONTACT NAME **Don Healy**  
 PHONE **01 8411739**  
 ISO 9002 QUALITY ASSURANCE **NSAI Registration Number 19.2452**  
 I.S. EN 206-1 LICENCE NUMBER **1.63.003**  
 RMC CAPACITY **40 m<sup>3</sup>/hr**  
 LORRIES **6**

**M-114**

ADDRESS **Readymix (Eastern) Kileen Road, Kileen Road, Dublin 12**  
 CONTACT NAME **David Kelly**  
 PHONE **01 4566226**  
 FAX **01 4509292**  
 ISO 9002 QUALITY ASSURANCE **NSAI Registration Number 19.2452**  
 I.S. EN 206-1 LICENCE NUMBER **1.63.002**  
 RMC CAPACITY **110 m<sup>3</sup>/hr**  
 LORRIES **17**

**M-115**

PRODUCTS *Aggregate, All Weather Pitch Sand, Blacktop, Blocks, Bricks, Chippings, Clause 804, Crushed Stone, Dashing, Gravel, Gullies, Hardcore, High PSV Chips, Macadam, Manholes, Pipes, Quarry Stone, Readymix Concrete, Readyspread Mortar, Plaster / Render, Road Making Materials, Road Surfacing Materials, Sand, Surfacing Contracts, Tiles - Flat, Double Roman, Bridge & Accessories, Wet Mix Macadam*

**READYMIX PLC**

<p>ADDRESS</p> <p>CONTACT NAME</p> <p>PHONE</p> <p>FAX</p> <p>RMC CAPACITY</p> <p>LORRIES</p>	<p><b>Readymix (Eastern) Rathmolyon, Rathmolyon Quarry, Rathmolyon, Co Meath</b></p> <p><b>Ray Glennon</b></p> <p><b>046 9555953</b></p> <p><b>046 9555955</b></p> <p><b>40 m<sup>3</sup>/hr</b></p> <p><b>4</b></p>	<p><b>M-116</b></p>
<p>ADDRESS</p> <p>CONTACT NAME</p> <p>PHONE</p> <p>FAX</p> <p>ISO 9002 QUALITY ASSURANCE</p> <p>I.S. EN 206-1 LICENCE NUMBER</p> <p>RMC CAPACITY</p> <p>LORRIES</p>	<p><b>Readymix (Eastern) Walshestown, Walshestown, Naas, Co Kildare</b></p> <p><b>Gary Tramba</b></p> <p><b>045 897163</b></p> <p><b>045 876173</b></p> <p><b>NSAI Registration Number 19.2452</b></p> <p><b>1.63.005</b></p> <p><b>35 m<sup>3</sup>/hr</b></p> <p><b>3</b></p>	<p><b>M-117</b></p>
<p>ADDRESS</p> <p>CONTACT NAME</p> <p>PHONE</p> <p>FAX</p>	<p><b>Readymix Concrete Admixtures, Maudlins, Naas, Co. Kildare</b></p> <p><b>Eamonn Cullen</b></p> <p><b>045 897466 / 898208 / 897545</b></p> <p><b>045 898188</b></p>	<p><b>M-118</b></p>
<p>ADDRESS</p> <p>CONTACT NAME</p> <p>PHONE</p> <p>FAX</p>	<p><b>Readymix Concrete Pipes &amp; Roof Tiles, Maudlins, Naas, Co. Kildare</b></p> <p><b>Eamonn Cullen</b></p> <p><b>045 879355</b></p> <p><b>045 879354</b></p>	<p><b>M-119</b></p>
<p>ADDRESS</p> <p>CONTACT NAME</p> <p>PHONE</p> <p>FAX</p> <p>E-MAIL</p>	<p><b>Readymix (B.M.W) Sales Office, Arden, Tullamore, Co. Offaly</b></p> <p><b>Mark Guinan</b></p> <p><b>057 93 21485</b></p> <p><b>057 93 21661</b></p> <p><b>bmwregionsales@readymix.ie</b></p>	<p><b>M-120</b></p>
<p>ADDRESS</p> <p>CONTACT NAME</p> <p>PHONE</p> <p>FAX</p> <p>ISO 9002 QUALITY ASSURANCE</p> <p>IS EN 206-1</p> <p>RMC CAPACITY</p> <p>LORRIES</p>	<p><b>Readymix (B.M.W) Aughamore, Aughamore Quarry, Carraroe, Co. Sligo</b></p> <p><b>Darren Walsh (Manager), Michael Cawley / Adrian Battel (Shippers)</b></p> <p><b>071 9162562</b></p> <p><b>071 9169582</b></p> <p><b>NSAI Cert. No. 19.3586</b></p> <p><b>NSAI Cert. No. 1.63.013</b></p> <p><b>70 m<sup>3</sup>/hr</b></p> <p><b>7</b></p>	<p><b>M-121</b></p>
<p>PRODUCTS</p>	<p><i>Aggregate, All Weather Pitch Sand, Blacktop, Blocks, Bricks, Chippings, Clause 804, Crushed Stone, Dashing, Gravel, Gullies, Hardcore, High PSV Chips, Macadam, Manholes, Pipes, Quarry Stone, Readymix Concrete, Readyspread Mortar, Plaster / Render, Road Making Materials, Road Surfacing Materials, Sand, Surfacing Contracts, Tiles - Flat, Double Roman, Bridge &amp; Accessories, Wet Mix Macadam</i></p>	

## READYMIX PLC

ADDRESS	<b>Readymix (B.M.W) Ballina, Bonnifinglas, Foxford, Co. Mayo</b>	<b>M-122</b>
CONTACT NAME	<b>Ray Gilmore (Manager), Gary Fitzgerald / David Carolan (Shippers)</b>	
PHONE	<b>094 9258119</b>	
FAX	<b>094 9258551</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
IS EN 206-1	<b>NSAI Cert. No. 1.63.007</b>	
RMC CAPACITY	<b>70 m<sup>3</sup>/hr</b>	
LORRIES	<b>7</b>	
CONVEYORS	<b>1</b>	
ADDRESS	<b>Readymix (B.M.W) Ballymahon, Antley, Ballymahon, Co. Longford</b>	<b>M-123</b>
CONTACT NAME	<b>Richard Farrell</b>	
PHONE	<b>090 6432195/6432281</b>	
FAX	<b>090 6432048</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
IS EN 206-1	<b>NSAI Cert. No. 1.63.008</b>	
RMC CAPACITY	<b>24 m<sup>3</sup>/hr</b>	
LORRIES	<b>4</b>	
ADDRESS	<b>Readymix (B.M.W) Doran Rock, Aughamore, Upper Aughnaclyffe, Co. Longford</b>	<b>M-124</b>
CONTACT NAME	<b>Danny Forde (Manager), Esther Smith (Shipper)</b>	
PHONE	<b>043 84376</b>	
FAX	<b>043 84480</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
IS EN 206-1	<b>NSAI Cert. No. 1.63.009</b>	
RMC CAPACITY	<b>24 m<sup>3</sup>/hr</b>	
LORRIES	<b>4</b>	
ADDRESS	<b>Readymix (B.M.W) Edenderry, Shean, Edenderry, Co. Offaly</b>	<b>M-125</b>
CONTACT NAME	<b>Kevin McGuire</b>	
PHONE	<b>046 9731041</b>	
FAX	<b>046 9733007</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
IS EN 206-1	<b>NSAI Cert. No. 1.63.010</b>	
RMC CAPACITY	<b>40 m<sup>3</sup>/hr</b>	
LORRIES	<b>3</b>	
ADDRESS	<b>Readymix (B.M.W) Laghy, Co. Donegal</b>	<b>M-126</b>
CONTACT NAME	<b>Kieran Collins (Manager), Albert Wray / Gary Walsh (Shippers)</b>	
PHONE	<b>074 9721300</b>	
FAX	<b>074 9725945</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
IS EN 206-1	<b>NSAI Cert. No. 1.63.011</b>	
RMC CAPACITY	<b>70 m<sup>3</sup>/hr</b>	
LORRIES	<b>5</b>	
PRODUCTS	<i>Aggregate, All Weather Pitch Sand, Blacktop, Blocks, Bricks, Chippings, Clause 804, Crushed Stone, Dashing, Gravel, Gullies, Hardcore, High PSV Chips, Macadam, Manholes, Pipes, Quarry Stone, Readymix Concrete, Readyspread Mortar, Plaster / Render, Road Making Materials, Road Surfacing Materials, Sand, Surfacing Contracts, Tiles - Flat, Double Roman, Bridge &amp; Accessories, Wet Mix Macadam</i>	

## READYMIX PLC

ADDRESS	<b>Readymix (B.M.W) Portlaoise, Rathleague, Portlaoise, Co. Laois</b>	<b>M-127</b>
CONTACT NAME	<b>Joe Bergin (Manager), Sandra Culleton (Shipper)</b>	
PHONE	<b>057 86 21487</b>	
FAX	<b>057 86 20323</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
IS EN 206-1	<b>NSAI Cert. No. 1.63.012</b>	
RMC CAPACITY	<b>70 m<sup>3</sup>/hr</b>	
LORRIES	<b>8</b>	
CONVEYORS	<b>3</b>	
ADDRESS	<b>Readymix (B.M.W) Tullamore, Ballykilmurray, Tullamore, Co. Offaly</b>	<b>M-128</b>
CONTACT NAME	<b>Terry O'Reilly (Manager), Joe O'Brien / Gerry Walsh (Shippers)</b>	
PHONE	<b>057 93 21485 / 21791</b>	
FAX	<b>057 93 24137</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
IS EN 206-1	<b>NSAI Cert. No. 1.63.006</b>	
RMC CAPACITY	<b>70 m<sup>3</sup>/hr</b>	
LORRIES	<b>6</b>	
CONVEYORS	<b>1</b>	
ADDRESS	<b>Readymix (B.M.W) Ballinakill, Moate, Ballinakill, Co. Laois</b>	<b>M-129</b>
CONTACT NAME	<b>Joe Bergin (Manager), John Hearn (Shipper)</b>	
PHONE	<b>057 87 33532</b>	
FAX	<b>057 87 33005</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
ADDRESS	<b>Readymix (B.M.W) Moyne, Legga, Moyne, Co. Longford</b>	<b>M-130</b>
CONTACT NAME	<b>Danny Forde (Manager), Seamus Houican (Shipper)</b>	
PHONE	<b>049 4335266</b>	
FAX	<b>049 4335303</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
ADDRESS	<b>Readymix (B.M.W) Charlestown, Barnalyra, Charlestown, Co. Mayo</b>	<b>M-131</b>
CONTACT NAME	<b>Ray Gilmore (Manager), Tommy Fleming</b>	
PHONE	<b>094 9254188</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI Cert. No. 19.3586</b>	
ADDRESS	<b>Readymix (B.M.W) Hillstreet, Toomore, Hillstreet, Carrick-on-Shannon, Co. Roscommon</b>	<b>M-132</b>
CONTACT NAME	<b>Pat Connellan (Manager), Martin Mulligan (Shipper)</b>	
PHONE	<b>071 9637205</b>	
FAX	<b>071 9637085</b>	
PRODUCTS	<i>Aggregate, All Weather Pitch Sand, Blacktop, Blocks, Bricks, Chippings, Clause 804, Crushed Stone, Dashing, Gravel, Gullies, Hardcore, High PSV Chips, Macadam, Manholes, Pipes, Quarry Stone, Readymix Concrete, Readyspread Mortar, Plaster / Render, Road Making Materials, Road Surfacing Materials, Sand, Surfacing Contracts, Tiles - Flat, Double Roman, Bridge &amp; Accessories, Wet Mix Macadam</i>	

## READYMIX PLC

ADDRESS	<b>Readymix (Southern) Sales Office, Rossmore, Carrigtwohill, Co. Cork</b>	<b>M-133</b>
CONTACT NAME	<b>Pat Duffy</b>	
PHONE	<b>021 4533350</b>	
FAX	<b>021 4533360</b>	
E-MAIL	<b>southernregionales@readymix.ie</b>	
ADDRESS	<b>Readymix (Southern) Carlow, Kildavin, Bunclody, Co. Wexford</b>	<b>M-134</b>
CONTACT NAME	<b>Noel Lacey</b>	
PHONE	<b>053 93 77408</b>	
FAX	<b>053 93 77465</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
IS EN206 - I	<b>NSAI License no. 1.63.018</b>	
RMC CAPACITY	<b>40 m<sup>3</sup>/hr</b>	
LORRIES	<b>4</b>	
ADDRESS	<b>Readymix (Southern) Kilkenny, Dunmore, Kilkenny</b>	<b>M-135</b>
CONTACT NAME	<b>Martin Gleeson</b>	
PHONE	<b>056 7761177</b>	
FAX	<b>056 7761182</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
IS EN206 - I	<b>NSAI License no. 1.63.019</b>	
RMC CAPACITY	<b>40 m<sup>3</sup>/hr</b>	
LORRIES	<b>5</b>	
CONVEYORS	<b>3</b>	
ADDRESS	<b>Readymix (Southern) Limerick, Dock Road, Limerick</b>	<b>M-136</b>
CONTACT NAME	<b>Peter McDonagh</b>	
PHONE	<b>061 228633</b>	
FAX	<b>061 228128</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
IS EN206 - I	<b>NSAI License no. 1.63.015</b>	
RMC CAPACITY	<b>70 m<sup>3</sup>/hr</b>	
LORRIES	<b>7</b>	
ADDRESS	<b>Readymix (Southern) Rossmore, Carrigtwohill, Co. Cork</b>	<b>M-137</b>
CONTACT NAME	<b>Aidan McCarthy</b>	
PHONE	<b>021 4883323</b>	
FAX	<b>021 4883920</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
IS EN206 - I	<b>NSAI License no. 1.63.014</b>	
RMC CAPACITY	<b>90 m<sup>3</sup>/hr</b>	
LORRIES	<b>14</b>	
CONVEYORS	<b>5</b>	
PRODUCTS	<i>Aggregate, All Weather Pitch Sand, Blacktop, Blocks, Bricks, Chippings, Clause 804, Crushed Stone, Dashing, Gravel, Gullies, Hardcore, High PSV Chips, Macadam, Manholes, Pipes, Quarry Stone, Readymix Concrete, Readyspread Mortar, Plaster / Render, Road Making Materials, Road Surfacing Materials, Sand, Surfacing Contracts, Tiles - Flat, Double Roman, Bridge &amp; Accessories, Wet Mix Macadam</i>	

**READYMIX PLC**

ADDRESS	<b>Readymix (Southern) Waterford, Slieverue, Waterford</b>	<b>M-138</b>
CONTACT NAME	<b>John Horgan</b>	
PHONE	<b>051 832877</b>	
FAX	<b>051 851045</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
IS EN206 - I	<b>NSAI License no. 1.63.016</b>	
RMC CAPACITY	<b>40 m<sup>3</sup>/hr</b>	
LORRIES	<b>6</b>	
ADDRESS	<b>Readymix (Southern) Wexford, Walshestown, Killinick, Co. Wexford</b>	<b>M-139</b>
CONTACT NAME	<b>Frank Doyle</b>	
PHONE	<b>053 91 58896</b>	
FAX	<b>053 91 58295</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
IS EN206 - I	<b>NSAI License no. 1.63.017</b>	
RMC CAPACITY	<b>70 m<sup>3</sup>/hr</b>	
LORRIES	<b>8</b>	
CONVEYORS	<b>1</b>	
ADDRESS	<b>Readymix (Southern) Clonmel, Ballydine, Clonmel, Co. Tipperary</b>	<b>M-140</b>
CONTACT NAME	<b>Mark O'Flaherty</b>	
PHONE	<b>052 33680</b>	
FAX	<b>052 33682</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
ADDRESS	<b>Readymix (Southern) Killeagh, Castlerichard, Killeagh, Co. Cork</b>	<b>M-141</b>
CONTACT NAME	<b>Dom Cashman</b>	
PHONE	<b>021 4883120</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
ADDRESS	<b>Readymix (Southern) Gouig, Castleconnell, Co. Limerick</b>	<b>M-142</b>
CONTACT NAME	<b>Mike O'Shea</b>	
PHONE	<b>061 377344</b>	
FAX	<b>061 377449</b>	
ISO 9002 QUALITY ASSURANCE	<b>NSAI CERT no. 19.3753</b>	
PRODUCTS	<i>Aggregate, All Weather Pitch Sand, Blacktop, Blocks, Bricks, Chippings, Clause 804, Crushed Stone, Dashing, Gravel, Gullies, Hardcore, High PSV Chips, Macadam, Manholes, Pipes, Quarry Stone, Readymix Concrete, Readyspread Mortar, Plaster / Render, Road Making Materials, Road Surfacing Materials, Sand, Surfacing Contracts, Tiles - Flat, Double Roman, Bridge &amp; Accessories, Wet Mix Macadam</i>	

## ROADSTONE DUBLIN

**M-143**

ADDRESS **Belgard Head Quarters**  
 PHONE **01 4041200**  
 FAX **01 4041321**  
 EMAIL **info@roadstone.ie**  
 WEBSITE **www.roadstone.ie**

ADDRESS **Allen, Naas, Co. Kildare**  
 PHONE **045 860111**  
 FAX **045 860239**

**M-144**

ADDRESS **Arklow, Co. Wicklow**  
 PHONE **0402 32016**  
 FAX **0402 32018**

**M-145**

ADDRESS **Ballyadams, Co. Kildare**  
 PHONE **059 8627110**  
 FAX **059 8627274**

**M-146**

ADDRESS **Belgard, Dublin 24**  
 PHONE **01 4041200**  
 FAX **01 4041321**

**M-147**

ADDRESS **De Selby, Co. Dublin**  
 PHONE **01 4041200**

**M-148**

ADDRESS **Dorans, Co. Wicklow**  
 PHONE **045 865106**  
 FAX **045 865013**

**M-149**

ADDRESS **Fassaroe Bray, Co. Wicklow**  
 PHONE **01 2867194**  
 FAX **01 2862596**

**M-150**

ADDRESS **Feltrim Swords, Co. Dublin**  
 PHONE **01 8450246**  
 FAX **01 8454087**

**M-151**

ADDRESS **Huntstown, Dublin 11**  
 PHONE **01 8343311**  
 FAX **01 8341313**

**M-152**

ADDRESS **Kilmacanogue, Co. Wicklow**  
 PHONE **01 2868166**  
 FAX **01 2866116**

**M-153**

PRODUCTS *Aggregates, Architectural Masonry, Blacktop, Blocks, Chips, Concrete, Dashing, Flomix, Glass Blocks, Hallmark, Mortar, Paving Shops, Sand, Stonefill, Trowel Ready Mortar.*

## ROADSTONE DUBLIN

ADDRESS **Kilternan, Co. Dublin** **M-154**  
 PHONE **01 2822144**  
 FAX **01 2822344**

ADDRESS **Milverton, Co. Dublin** **M-155**  
 PHONE **01 8492276**  
 FAX **01 8494674**

ADDRESS **Ringsend, Dublin 4** **M-156**  
 PHONE **01 6144698**  
 FAX **01 6680704**

ADDRESS **Wicklow Concrete, Coolbeg** **M-157**  
 PHONE **0404 67727**  
 FAX **0404 67438**

ISO9002 QUALITY ASSURANCE

✓

EMAIL **info@roadstone.ie**

WEBSITE **www.roadstone.ie**

PRODUCTS

*Aggregates, Architectural Masonry, Blacktop, Blocks, Chips, Concrete, Dashing, Flomix, Glass Blocks, Hallmark, Mortar, Paving Shops, Sand, Stonefill, Trowel Ready Mortar.*

## ARCHITECTURAL BUILDINGS PRODUCTS

ADDRESS **Roadstone APD, Finglas, Dublin 11** **M-158**  
 PHONE **01 8343322**  
 FAX **01 8343931**

ADDRESS **Roadstone - Contracting Services, Fortunestown, Tallaght, Dublin 24** **M-159**  
 PHONE **01 4041200**  
 FAX **01 4041356**

ADDRESS **Roadstone - Paving Products Division, Fortunestown, Tallaght, Dublin 24** **M-160**  
 PHONE **01 4041275**  
 FAX **01 4041360**

ADDRESS **Roadstone - Paving Supply & Lay Service, Fortunestown, Tallaght, Dublin 24** **M-161**  
 PHONE **01 4041200**  
 FAX **01 4515171**

**ROADSTONE PROVINCES**

**M-162**

HEAD OFFICE  
PHONE  
FAX  
CONTACT  
RMC CAPACITY  
LORRIES  
CONVEYORS  
E-MAIL ADDRESS  
WEBSITE  
QUALITY ASSURANCE  
PRODUCTS

**Naas, Road, Saggart, Co. Dublin**  
**01 4041400**  
**01 4041404**  
**David Roche**  
**1 million M<sup>3</sup> Plus**  
**600**  
**limited and reducing**  
**info@roadstone.ie**  
**www.roadstone.ie**  
✓  
**Blocks, Paving, Rooftiles, Stonefill, Blacktop, Clay Brick, Walling.**

**NORTH EAST REGION**

ADDRESS  
PHONE  
FAX

**Drogheda (Regional Office)**  
**041 9837764**  
**041 9835011**

**M-163**

ADDRESS  
PHONE  
FAX

**Ballybay, Co. Monaghan**  
**042 9744814**  
**042 9744227**

**M-164**

ADDRESS  
PHONE  
FAX

**Barley Hill, Co. Meath**  
**042 9667123**  
**042 9668124**

**M-165**

ADDRESS  
PHONE  
FAX

**Castleblayney, Co. Monaghan**  
**042 9740026**  
**042 9746412**

**M-166**

ADDRESS  
PHONE  
FAX

**Derryarkin, Co. Westmeath.**  
**044 92 22833**  
**044 92 22834**

**M-167**

ADDRESS  
PHONE  
FAX

**Drogheda, Co. Louth**  
**041 9837761**  
**041 9835011**

**M-168**

ADDRESS  
PHONE

**Duleek, Co. Meath**  
**041 9880289**

**M-169**

ADDRESS  
PHONE  
FAX

**Mullaghcrone, Co. Meath**  
**041 9839183**  
**041 9839175**

**M-170**

PRODUCTS

*Aggregates, Blacktop, Blocks, Chips, Concrete, Contracting, Dashing, Grolime, Mortar, Paving, Precast, Sand, Sports Sand, Stonefill, Trowel Ready Mortar.*

## ROADSTONE PROVINCES

ADDRESS	<b>Silica Sand, Co. Louth</b>	<b>M-171</b>
PHONE	<b>042 9667123</b>	
FAX	<b>042 9668124</b>	
ADDRESS	<b>Slane, Co. Meath</b>	<b>M-172</b>
PHONE	<b>041 9824214</b>	
FAX	<b>041 9824243</b>	
ADDRESS	<b>Trim, Co. Meath</b>	<b>M-173</b>
PHONE	<b>046 9431271</b>	
FAX	<b>046 9437646</b>	
<b>NORTH WEST REGION</b>		
ADDRESS	<b>Galway, (Regional Office)</b>	<b>M-174</b>
PHONE	<b>091 709060</b>	
FAX	<b>091 752199</b>	
ADDRESS	<b>Kilchreest, Co. Galway.</b>	<b>M-175</b>
PHONE	<b>091 635522</b>	
FAX	<b>091 635515</b>	
ADDRESS	<b>Athlone, Co. Roscommon</b>	<b>M-176</b>
PHONE	<b>090 6492731</b>	
FAX	<b>090 6492369</b>	
ADDRESS	<b>Ballintra, Co. Donegal</b>	<b>M-177</b>
PHONE	<b>074 9734022</b>	
FAX	<b>074 9734203</b>	
ADDRESS	<b>Boyle, Co. Roscommon</b>	<b>M-178</b>
PHONE	<b>071 9662057</b>	
FAX	<b>071 9662059</b>	
ADDRESS	<b>Carndonagh, Co. Donegal</b>	<b>M-179</b>
PHONE	<b>074 9374114</b>	
ADDRESS	<b>Castlebar, Co. Mayo</b>	<b>M-180</b>
PHONE	<b>094 9021266</b>	
FAX	<b>094 9023348</b>	
ADDRESS	<b>Castlemine, Co. Roscommon</b>	<b>M-181</b>
PHONE	<b>090 6629511</b>	
FAX	<b>090 6629521</b>	
ADDRESS	<b>Galway, Co. Galway</b>	<b>M-182</b>
PHONE	<b>091 709050</b>	
FAX	<b>091 752199</b>	

## PRODUCTS

*Aggregates, Blacktop, Blocks, Chips, Concrete, Contracting, Dashing, Grolime, Mortar, Paving, Precast, Sand, Sports Sand, Stonefill, Trowel Ready Mortar, Silo Mortar, Walling.*

## ROADSTONE PROVINCES

### SOUTH WEST REGION

ADDRESS **Bunratty, (Regional Office)** **M-183**  
 PHONE **061 709500**  
 FAX **061 709555**

ADDRESS **Ballyknockane, Co. Tipperary** **M-184**  
 PHONE **052 33796**  
 FAX **052 33376**

ADDRESS **Ballyneety, Co. Limerick** **M-185**  
 PHONE **061 351253**  
 FAX **061 351003**

ADDRESS **Ballyquin, Co. Clare** **M-186**  
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FAX	<b>01 4571110</b>	
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PHONE	<b>056 4441323</b>	
FAX	<b>056 4441314</b>	
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PHONE	<b>048 8772 3421</b>	
FAX	<b>048 8772 7193</b>	
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CONVEYORS	
PUMPS	
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PRODUCTS	<i>Aggregates, Blocks, Bricks, Chippings, Clause 804, Crushed Stone, Fine Textured Gravel, Hardcore, Paving, Road Making Materials, Sand, Stone.</i>

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FAX	<b>071 9856263</b>
ISO 9001 QUALITY ASSURANCE	
ICMA QUALITY CERT SCHEME	✓
RMC CAPACITY	<b>60m<sup>3</sup>/hr</b>
LORRIES	<b>6</b>
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
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ISO9002 & I.C.M.A. QUALITY CERT SCHEME	✓
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CONVEYORS	
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RMC CAPACITY	
LORRIES	
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Aggregates, Concrete, Crushed Stone, Gravel, Grolime, Ground Limestone, Hardcore, Lime, Quarry Stone, Road Making/Surfacing Materials, Sand, Stone, Wet Mix Macadam.</i>

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CONTACT PERSON **John Hogan**  
 E-MAIL ADDRESS **office@jawood.ie**  
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ISO9002 QUALITY ASSURANCE ✓

RMC CAPACITY

PRODUCTS

*Aggregates, Arches, Blocks, Chippings, Clause 804, Concrete, Crushed Stone, Culverts, Dashing, Fair Faced & Split Masonry, Gravel, Hardcore, Lime, Mortar, Pipes, Plaster, Quarry Stone, Road Making & Resurfacing Materials, Sand, Wet Mix Macadam.*

# COMPANY INFORMATION

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CONTACT NAME	<b>George Hamilton</b>
PHONE	<b>042 9744811</b>
FAX	<b>042 9744940</b>
EMAIL	<b>info@wright.ie</b>
ISO 9002 QUALITY ASSURANCE	✓
RMC CAPACITY	<b>100 M<sup>3</sup> Hr</b>
LORRIES	
CONVEYORS	
PUMPS	
ADDITIONAL COMMENTS	
PRODUCTS	<i>Capping, Sills, Concrete, Fencing, Flagstones, Gate Marker Posts, Gravel, Gulley Boxes, Hardcore, Lintels, Mortar, Plaster/Render, Paving, Quarry Stone, Sand, Slats, Slatted Tanks/Farm Buildings, Special Design Units, Reinforced Concrete Hollowcore Flooring, Pressed Concrete Kerbs, Pre-Stressed Concrete Floor, Roof &amp; Wall Panels.</i>



# CONCRETE PRODUCTS

DIRECTORY

3RD EDITION 2005

## TECHNICAL COMMENTARY PRODUCTS & MATERIALS

### Disclaimer

This Concrete Products Directory has been prepared by the Irish Concrete Federation in consultation with its members and with technical assistance from the Concrete Development Group, Technical Committee, the N.S.A.I. and the Concrete Society.

Every care has been taken to ensure that the information contained herein is correct and accurate at the date of publication. However, the Irish Concrete Federation Ltd and/or its Associates cannot accept any responsibility or liability for any errors, inaccuracies or omissions which may have occurred inadvertently.



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# Technical Commentary

## Products & Materials

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The process of harmonisation of technical standards across Europe is steadily progressing in order to facilitate the Single Market.

CEN is the body responsible at European level for developing and producing standards for the construction sector.

Many European Standards (EN's) are already issued in the construction sector, while many others are reaching the final stages of agreement and ratification. Each National Standards body within CEN must publish all European Standards as national standards, following weighted majority approval at formal vote stage (these are referenced as "I.S. EN's").

Conflicting national standards must be withdrawn by a specified date, usually 6 to 12 months later. In some specific cases there is an extended period, particularly where a group of interrelated standards are involved.

Some of the European Standards are being produced by CEN under formal mandate from the EU Commission in accordance with the Construction Products Directive. These are known as harmonised standards and products produced to these standards will be CE marked.

The first harmonised standard published in the concrete materials sector was EN 197-1 'Common Cements' which was published as I.S. EN 197-1. I.S.1 'Portland Cement' and other cements "on the market" are required to be 'CE marked' with conformity certified to I.S. EN 197-2 'Conformity Criteria'.

In December 2003 I.S. 326 Part 2 "Guide to Specifying Concrete" was withdrawn and replaced by I.S. EN 206-1 Concrete - Part 1: Specification, Performance, Production and Conformity.

At present many standards for other concrete construction products and related test methods are also published with many others due to come forward over the next few years.

In this Technical Commentary, all of the European, Irish and British Standards listed, or referenced, are current at time of printing. However, this situation will change as more E.N.'s are issued and withdrawal dates for national standards occur over the next few years. NSAI should be consulted for the current status regarding Standards.

## I. Cement and Additions

### I.1 CEMENT

Cement is composed predominantly of compounds of calcium, silica, alumina and iron which hydrate upon the addition of water to form a strong and durable binder for aggregates in concrete or mortar.

The common cement used in traditional Irish construction has been predominantly Portland Cement Type CEM I. CEM I is a Portland cement ( $\geq 95\%$  clinker), which can contain 0-5% of a permitted 'minor additional constituent'.

CEM II is defined as a Portland composite cement, sub-divided into various sub-types, depending on the type and quantity of main constituents included, which can also contain 0-5% of a permitted 'minor additional constituent'.

### I.2 Additions

Finely divided inorganic, pozzolanic or latent hydraulic material that may be added to concrete in order to improve certain properties or to achieve special properties.

#### I.1.1.1. Pulverised fuel ash

The use of coal for electricity production results in the generation of fly ash of different qualities, some of which have pozzolanic properties. The properties of fly ash suitable for use in concrete are specified in I.S. EN 450 and B.S. 3892 part 1.

#### I.1.1.2. Ground granulated blastfurnace slag

Granulated blastfurnace slag is made by the rapid cooling of a slag obtained by smelting iron ore in a blastfurnace. It contains at least two-thirds by mass of glassy slag and possesses hydraulic properties when suitably activated by a Portland cement. Properties of slag suitable for use in concrete are specified in B.S. 6699 : 1992

### I.3 Codes & Standards

I.S. EN 197-1: 2001	Composition, specification & conformity criteria for common cements
B.S. 4027: 1996	Sulphate resisting Portland cement
I.S. EN 450 : 1995	Fly ash for concrete
B.S. 3892-1 : 1997	Pulverised fuel ash for use with Portland cement)
B.S. 6699 : 1992	Ground granulated blastfurnace slag for use with Portland cement

### I.4 Specification

The specification of cement used in concrete is given in I.S. EN 197-1. The concrete specification I.S. EN 206-1 (see section 2.1.2) gives advice on cements suitable for use in concrete in Ireland (see National Annex and Table FI (IRL)).

## I.2 AGGREGATES

### I.2.1 General Description

An aggregate is a granular product obtained by processing natural materials. It may be a sand or gravel produced by natural disintegration of rock, or it may be manufactured by passing rock through a series of crushers.

Aggregate sizes are designated in terms of lower (d) and upper (D) sieve sizes expressed as d/D.

### I.2.2 Codes & Standards

I.S EN 12620	Aggregates for Concrete
S.R. 16	NSAI Guidance on the use of I.S. EN 12620.

### I.2.3 Specification

The standard outlines the requirements for aggregates to be used in concrete production. The general requirement for aggregates is that they are clean, hard, durable and always derived from sources of proven quality and consistency. Concreting aggregates may be classified as coarse or fine as set out below.

A coarse aggregate is the designation given to the larger aggregate sizes with (D) greater than or equal to 4mm and (d) greater than or equal to 2mm.

Table X - Overall grading limits for coarse aggregate classified by I. S. EN 12620

Sieve Size mm	Percentage by mass passing ISO 565 sieve for coarse aggregate size (d/D)						
	Graded Aggregates			Single sized aggregates			
	4/40	4/20	4/14	20/40	10/20	6,3/14	4/10
80	100	-	-	100	-	-	-
63	98 to 100	-	-	98 to 100	-	-	-
40	90 to 99	100	-	85 to 99	100	-	-
31.5	-	98 to 100	100	-	98 to 100	100	-
20	25 to 70	90 to 99	98 to 100	0 to 20	85 to 99	98 to 100	100
16	-	-	-	-	-	-	-
14	-	-	90 to 99	-	-	85 to 99	98 to 100
10	-	25 to 70	-	0 to 5	0 to 20	-	85 to 99
8	-	-	25 to 70	-	-	-	-
6.3	-	-	-	-	-	0 to 20	-
4	0 to 15	0 to 15	0 to 15	-	0 to 5	-	0 to 20
2.8	-	-	-	-	-	0 to 5	-
2	0 to 5	0 to 5	0 to 5	-	-	-	0 to 5

A fine aggregate is the designation given to the smaller sized aggregates with (D) less than or equal to 4mm.

Table Y: Overall grading limits for fine aggregate classified by I.S. EN 12620

Sieve Size Mm	Percentage by mass passing ISO 565 sieve for fine aggregate size (d/D)				
	0/4 (CP)	0/4 (MP)	0/2(MP)	0/2(FP)	0/1 (FP)
8	100	100	-	-	-
6.3	95 to 100	95 to 100	-	-	-
4	85 to 99	85 to 99	100	100	-
2,8	-	-	95 to 100	95 to 100	-
2	-	-	85 to 99	85 to 99	100
1	-	-	-	-	85 to 99
0.5	5 to 45	30 to 70	30 to 70	55 to 100	55 to 100

Note: The producer should document and, on request, declare the typical grading to which set tolerances are applied. Also note that the C, M and F designations for coarse, medium and fine are replaced by CP, MP and FP to indicate coarse, medium and fine gradings as before and, that there are choices for the upper size (D) in MP and FP categories i.e. (0/4 or 0/2 and 0/2 or 0/1)

### 1.3 BUILDING LIME

#### 1.3.1 General Description

Lime is available in the form of dry hydrated lime, or quicklime / lime putty. It is used with Portland cement to improve the workability and water retention of a mortar or render.

#### 1.3.2 Codes & Standards

I.S. E.N.459-1      *Building Lime – Part 1: Definitions, Specifications and Conformity Criteria.*

The standards specify the requirements for limes used in mortars for masonry and rendering.

## I.4 ADMIXTURES

### I.4.1 General Description

Admixtures are chemicals which, except in special cases, are added to a concrete or mortar in quantities no larger than 5 percent by mass of cement in order to modify the normal properties of concrete or mortar.

### I.4.2 Codes & Standards

The standards outline the performance, information, sampling and testing requirements for admixtures to be used with concrete or mortar.

### I.4.3 Specification

The following table outlines the most commonly used admixtures:

Plasticisers	Increase the workability of fresh concrete
Water reducers	Increase the strength of hardened concrete
Superplasticisers	Produce 'flowing' concrete.
Air entraining agents	Improve resistance of hardened concrete to freezing / thawing
Accelerators	Increase early strength of concrete
Retarders	Extend the setting time of the concrete

## I.5 WATER

### Codes & Standards

I.S. EN 1008:2002 *Mixing water for concrete – Specification for sampling, test and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete.*

### I.5.2 Specification

Water deemed potable by national regulations is also deemed suitable for making concrete without any further testing.

Other water, such as that recovered from processes in the concrete industry, water from underground sources and natural surface water, may also be used but it must be tested to determine its suitability.

The tests required for these other waters include preliminary assessment, chloride content, sulphate content, alkali content and an assessment of how the chemical composition of the water will effect the setting time and / or the strength development of concrete. In the case of recovered water, there is also a restriction on the amount of solid material contained within it.

## 2.1 READY-MIXED CONCRETE

### 2.1.1 General Description

Ready-mixed concrete is typically a mixture of cement, natural aggregate and water. Most mixes also contain admixtures which are added to the fresh concrete to modify some properties of the fresh or hardened concrete. Other raw materials are occasionally used (e.g. additions such as GGBS, PFA, Silica Fume ; artificial aggregates such as light-weight, heavy-weight ; etc.)

The concrete is supplied in a moist or wet plastic state so that it is capable of being placed and moulded by the user into various shapes or forms prior to setting and hardening into a solid mass.

### 2.1.2 Codes & Standards

I.S. EN 206-1:2002 *Concrete – Part 1 : Specification, performance, production and conformity (consisting of I.S. EN 206-1:2000 and the Irish national annex).*

Other technical standards and documents should be consulted with respect to structural design. These include IS 326, BS 8110, IS EN 1990. Other European structural design codes are also under preparation at the moment (e.g. IS EN 1992 – Eurocode 2).

### 2.1.3 Specification

The concrete is required to meet various quality criteria. These include the following characteristics:

- use of suitable raw materials ;
- proper mix design and resulting concrete compositions ;
- adequate strength for structural purposes (and / or as a guarantee that the min. cement and max w/c ratio required for durability purposes is being achieved) ;
- suitable consistence (workability) for the application and method of placement;
- suitable aggregate size for the application ;
- adequate durability to withstand the anticipated exposure conditions ;
- restriction on chloride content ;
- suitable air content where relevant ;
- suitable density where relevant ;
- min. temperature of concrete at delivery ;
- a formal system of production control which includes amongst other matters strict procedures for ensuring that the concrete is in conformity with the specification ;

I.S. EN 206-1 differs in a number of ways from the previous concrete standard specification IS 326. The following are some of the main differences:

- Strength
  - a now described as a compressive strength class.
  - denoted by the letter C, followed by both the cylinder strength and the cube strength.
  - table A below lists the compressive strength classes that can be specified for normal-weight concrete.
  - example – 35N concrete now described as C28/35
  - although cubes will most likely remain as the sole system for making concrete samples in Ireland, both strengths must nevertheless be specified.
  
- Workability
  - now described as a consistence class
  - four methods of specifying and measuring consistence – slump, vebe, compaction and flow
  - denoted by the letter S (slump), V (vebe), C (compaction) or F (flow), followed by a number which indicates the range of consistence values covered by that class.
  - table B below lists the consistence classes that can be specified in the case of slump
  - it should be noted that a nominal slump is no longer specified – a range, as indicated by the consistence class, must be specified.
  - example – where either a 50mm or 75mm nominal slump was previously specified, slump class S2 must now be specified
  
- Durability
  - the conditions affecting durability to which the concrete will be exposed during its design life are now described as exposure classes.
  - denoted by the letter X, followed by another letter which indicates the general type of exposure in question
  - the exposure classes are as follows:
    - XO - no risk of corrosion or attack
    - XC - corrosion induced by carbonation
    - XD - corrosion induced by chlorides other than from sea water
    - XS - corrosion induced by chlorides from sea water
    - XF - freeze / thaw attack with or without de-icing agents
    - XA - chemical attack
  - each of these exposure classes is then further subdivided by adding a number which generally indicates the severity of the exposure within each class
  - informative examples associating particular locations / situations with particular exposure classes are given in I.S. EN 206-1
  - further such examples (illustrated) are given in “The New Concrete Standards” published jointly by the Irish Concrete Federation and the Irish Concrete Society.

- Limiting Values of Composition
  - in order to be durable when subjected to the various exposure conditions, the concrete must be of a certain quality.
  - this is achieved by specifying limiting values for the concrete composition
  - this in effect means specifying the type of cement that must be used, the min. cement content and the max. w/c ratio
  - additionally, as an option, a min. strength class can be specified as assurance that the concrete does, in fact, contain the specified min. cement content and that its w/c ratio does not exceed the specified max w/c ratio
  - the limiting values applying to each exposure class are specified in table F.I. (IRL) in the Irish Annex to I.S. EN 206-1
  - table C below gives the limiting values required by Homebond for various house building applications (for unreinforced concrete only and in non-aggressive soil only)
  
- Conformity
  - conformity with the specified requirements was previously substantially established by site testing by the Contractor / Specifier
  - the establishment of conformity is now the responsibility of the manufacturer.
  - the manufacturer must now include a formal declaration of conformity to I.S. EN 206-1 on delivery documentation.
  - this declaration can be made only if the manufacturer operates strict production/conformity control procedures as specified in I.S. EN 206-1
  - additionally, manufacturers may underpin their declaration of conformity by submitting their production/conformity control operations to scrutiny by approved independent third party inspection and certification bodies, although this is not obligatory

TABLE A (from Table 7 (IRL) in Irish National Annex to I.S. EN 206 -1)

Compressive strength class	Min. Char. cylinder strength N/mm <sup>2</sup>	Min. Char. cube strength N/mm <sup>2</sup>	Compressive strength class	Min. Char. cylinder strength N/mm <sup>2</sup>	Min. Char. cube strength N/mm <sup>2</sup>
C8/10	8	10	C40/50	40	50
C12/15	12	15	C45/55	45	55
C16/20	16	20	C50/60	50	60
C20/25	20	25	C55/67	55	67
C25/30	25	30	C60/75	60	75
C28/35	28	35	C70/85	70	85
C30/37	30	37	C80/95	80	95
C32/40	32	40	C90/105	90	105
C35/45	35	45	C100/115	100	115

TABLE B (from Table 3 in I.S. EN 206-1)

Class	Slump mm
S1	10 to 40
S2	50 to 90
S3	100 to 150
S4	160 to 210
S5 *	≥ 220

\* due to lack of sensitivity of the test method beyond certain values of consistence, it is recommended to use the slump test only for slumps  $\geq 10\text{mm}$  and  $\leq 210\text{mm}$

TABLE C (from Table I in “Right on the Site”, Issue No. 35, Jan 2005 (Homebond))

<b>APPLICATION</b>	Exposure class	Minimum strength class N/mm <sup>2</sup> (Cylinder / Cube)	Minimum cement content Kg/m <sup>3</sup> (see note 1)	Maximum water/cement ratio	Recommended workability (see table 2)
Lean mix, pipe & kerb bedding, blinding & sub-floors	Not applicable	<b>C 8/10</b>	Not applicable	Not applicable	S1
Strip foundations (see note 2)	XO	<b>C 12/15</b>	200	0.85	S2 or S3
Ground supported floors	XO	<b>C 16/20</b>	200	0.85	S2 or S3
Paths around houses	XO	<b>C 20/25</b>	240	0.75	S2 or S3
Reinforced Concrete	Designed by an engineer in accordance with IS EN 206-1 (see note 3)				
Notes: 1. The minimum cement contents shown assume a maximum aggregate size of 20mm. 2. Where sulphates are present or where ground conditions might give rise to damage of concrete the foundations should be designed by an engineer. 3. The engineer appointed must be qualified by examination, be in private practice and possess professional indemnity insurance. 4. Heavily trafficked garages will require <b>C 20/25</b> concrete with minimum cement content of 240kg/m <sup>3</sup> and water/cement ratio of 0.75 and workability of Slump class S2. 5. Where nominal steel is introduced it is recommended that it be placed at least 75 mm from the bottom and sides of the concrete.					

## 2.2 READY MIXED MORTAR

### 2.2.1 General Description

Mortar is a mixture of sand, cement, water and lime or admixtures, used as a binder in masonry construction. A pigment may also be added as a specified optional material. Ready mixed mortar is an alternative to batching on site, offering greater reliability and consistency of mixes.

### 2.2.2 Codes & Standards

- I.S. EN 998-2 :2003 *Specification for mortar for masonry – Part 2: masonry mortar.*  
 I.S. 325 : Part 1: 1986 *Code of practice for use of masonry*  
*Part 1 : Structural use of unreinforced masonry*  
 I.S. 325 : Part 2: 1996 *Code of practice for use of masonry*  
*Part 2 : Masonry construction*

The standards outline the specification, materials, mixing, performance and workmanship requirements of mortar. The design of masonry structures is also covered.

### 2.2.3 Specification

Mortar designations are set out by I.S.EN 998-2. The principles determining selection of the correct designation are covered in I.S.EN 325 : Part 1.

Table D Mixes suitable for mortar

Mortar	Type of mortar (Proportion by volume)		
	Designation cement: lime: sand	masonry cement: sand	cement: sand with plasticiser
( i )	1 : 0/0.25 : 3	-	-
( ii )	1 : 0.5 : 4 to 4.5	1 : 2.5 to 3.5	1 : 3 to 4
( iii )	1 : 1 : 5 to 6	1 : 4 to 5	1 : 5 to 6
( iv )	1 : 2 : 8 to 9	1 : 5.5 to 6.5	1 : 7 to 8

Source: I.S.406 : 1987. *Masonry mortars*

Table E Properties of mortar mixes

Mortar designation	Compressive strength		Water retention	Workability	
	7 Day	28 Day		BS 1881	BS 455 I
	MPa	MPa	%	mm	%
( i )	>7.3	>11.0	>88	<550	<135
( ii )	>3.0	>4.5	>89	<550	<135
( iii )	>1.7	>2.5	>90	<550	<135
( iv )	>0.7	>1.0	>91	<540	<130

Source: I.S.406 : 1987. *Masonry mortars*

Table F Mortar Mix Designation

<b>BS 4721:1981 – Mix Designation*</b>	<b>EN 998-2:2003 – Mortar Class</b>
( i )	12
( ii )	6
( iii )	4
( iv )	2

**\* This designation is also used in BS 5628**

Table G Mortar Classes Table

Class	M1	M2,5	M5	M10	M15	M20	Md
Compressive strength N/mm <sup>2</sup>	1	2,5	5	10	15	20	d

d is a compressive strength greater than 25 N/mm<sup>2</sup> declared by the manufacturer.

For designed mortars the compressive strength of masonry mortar shall be declared by the manufacturer. The manufacturer may declare the compressive strength class in accordance with Table G, where the compressive strength is designated by an “M” followed by the compressive strength class in N/mm<sup>2</sup>, which it exceeds.

When the masonry mortar is sampled from a consignment in accordance with EN 1015-2 and tested in accordance with EN 1015-11 the compressive strength shall not be less than the declared compressive strength or the declared compressive strength class. It shall be declared if the air-lime content calculated as calcium hydroxide Ca(OH)<sub>2</sub> is equal to or higher than 50% of the total amount of binder mass.

Ready mixed mortar may be supplied in a number of forms:

<b>Sand / lime for mortar</b>	A factory mixed combination of lime, sand and water with cement added on site as required.
<b>Trowel ready mortar</b>	A mortar which has been factory mixed and supplied ready for use.
<b>Dry mortar</b>	A factory mixed combination of sand, cement, lime or plasticiser with water added on site as required.

## 2.3 READY MIXED RENDER

### 2.3.1 General Description

Render is a mixture of sand, cement, water and lime or admixtures, used as a finish to masonry construction. A pigment may be added as a specified optional material. Ready mixed render is an alternative to batching on site offering greater reliability and consistency of mixes.

### 2.3.2 Codes & Standards

- I.S. EN 998-1:2003 *Specification for mortar for masonry. Rendering and plastering mortar.*
- I.S. EN 13914-1:2005 *Design, preparation and application of external rendering and internal plastering. External rendering.*
- I.S. EN 13914-2:2005 *Design, preparation and application of external rendering and internal plastering. Design considerations and essential principles for internal plastering.*

The standards outline the design, materials and workmanship requirements of cement based renders or plasters. The principles governing the design of render specifications are also covered.

### 2.3.3 Specification

The following tables outline render specification details for areas subject to various conditions of exposure. The standard should be consulted for other factors involved in the choice of rendering mix.

Smooth backgrounds or backgrounds providing inferior adhesion may be prepared with a scud coat of 2 : 1 Sand : Cement thrown to a thickness of 2 – 3 mm. An S.B.R. latex may be added to the mix to aid bonding.

Table H Mixes suitable for rendering

Render designation	Mix Proportions by volume based on damp sand			
	Cement:Lime:Sand	Cement:Sand (with plasticiser)	Ready Mixed Lime:Sand	Cement:Ready Mixed Material
( i )	1 : 1/4 : 3	-	1 : 12	1 : 3
( ii )	1 : 1/2 : 4 to 4 1/2	1 : 3 to 4	1 : 9	1 : 4 to 4 1/2
( iii )	1 : 1 : 5 to 6	1 : 5 to 6	1 : 6	1 : 5 to 6
( iv )	1 : 2 : 8 to 9	1 : 7 to 8	1 : 4 1/2	1 : 8 to 9
( v )	1 : 3 : 10 to 12	-	1 : 4	1 : 10 to 12

Source: **B.S.5262 : 1991. Code of practice for external renderings**

Table I Recommended rendering specifications for moderate or sheltered exposure

Background	Undercoat		Final coat		
	Designation	Thickness mm	Finish	Type	Mix
Strong to moderate	(ii)	8 - 12	Thrown	Roughcast Buttercoat Tyrolean	1:1:3:2* (iii) (ii)
	(iii)	8 - 12	Trowel applied	Woodfloat Scraped Patterned Tooled	(iv) (iv) (iv) (iv)
Metal lathing	Two undercoats as for severe exposure  (See Table C)		Thrown	Roughcast Buttercoat Tyrolean	1:1:3:2* (iii) (ii)
			Trowel applied	Woodfloat Scraped Patterned Tooled	(iv) (iv) (iv) (iv)
Moderate to weak	(iii)	8 - 12	Thrown	Roughcast Buttercoat Tyrolean	1:1:3:2* (iii) (ii)
	(iv)	8 - 12	Trowel applied	Woodfloat Scraped Patterned Tooled	(iv) (iv) (iv) (iv)
Weak (sheltered)	(iv) or (v)	8 - 12	Trowel applied	Woodfloat Patterned	(v) (v)
<p>* Mix consists of Cement : Lime : Sand : Coarse aggregate.  Note I: The nominal overall thickness is normally not less than 16mm</p>					

Source: B.S.5262 : 1991. Code of practice for external renderings

Table J Recommended rendering specifications for severe exposure

Background	First undercoat		Second undercoat		Final coat	
	Designation	Thickness mm	Designation	Thickness	Type	Mix
Strong to moderate	(ii)	8 - 12	(ii)	6 - 10	Roughcast Buttercoat Tyrolean	1:1/2:3:1 1/2* (ii) (ii)
Metal lathing	(i)	3 - 6	(ii)	10 - 14	Roughcast Buttercoat Tyrolean	1:1/2:3:1 1/2* (ii) (ii)
Moderate to weak	(iii)	8 - 12	(iii)	6 - 10	Roughcast Buttercoat Tyrolean	1:1:4:2* (iii) (ii)
<p>* Mix consists of Cement : Lime : Sand : Coarse Aggregate</p> <p>Note 1: The nominal overall thickness of the render is normally not less than 20mm</p> <p>Note 2 : For severe exposure, it is preferred that the finish be thrown or rough textured</p>						

Source: **B.S.5262 : 1991. Code of practice for external renderings**

## 2.4 READY MIXED DASHING

### 2.4.1 General Description

Ready mixed dashing is a mixture of coarse aggregate, sand, cement, lime and water, applied as a final coat of render where a roughcast finish is required. The ratio of coarse aggregate to sand in a dashing may be adjusted in order to achieve various surface textures.

Ready mixed dashing is an alternative to batching a roughcast mix on site. Refer to Tables B and C of Section 2.3 (Ready Mixed Render) for specification of mixes.

## 2.5 INFORMATION ON USE OF READY MIXED MATERIALS

### 2.5.1 Workmanship and Performance

The long term performance of ready mixed materials will depend both on the quality of the supplied materials and also on the standards of workmanship during construction. Good methods of mixing, placing, compaction, finishing, curing etc. are therefore necessary for good long term strength and durability of a hardened concrete, render or mortar.

### 2.5.2 Health and Safety

Repeated skin contact with wet cement over a period may cause dermatitis. The abrasiveness of the other constituents in a concrete or mortar mix can aggravate the effect. Suitable protective clothing is therefore necessary when working with fresh cementitious materials. Any material coming into contact with skin should be washed off immediately with clean water. Reference should be made to the health and safety recommendations of the supplier before commencing work.

### 3.1 CONCRETE BLOCKS

#### 3.1.1 General Description

A block is defined as a full size walling unit whose worksize dimensions are at least 290mm in length or 90mm in height or 65mm in thickness. They may be used in either structural or nonstructural masonry construction with or without reinforcement in the mortar joints.

#### 3.1.2 Codes & Standards

I.S. EN 771-3	<i>Specification for masonry units – Part 3: Aggregate concrete masonry units (Dense and light-weight aggregates)</i>
I.S. EN 325 : Part 1 : 1986	<i>Code of practice for use of masonry Part 1 : Structural use of unreinforced masonry</i>
I.S. EN 325 : Part 2 : 1995	<i>Code of Practice for use of masonry Part 2 : Masonry construction</i>

The standards cover the general, dimensional, manufacturing and performance requirements for normal density concrete building blocks, along with the workmanship and design principles to be adopted in the design of structural masonry.

#### 3.1.3 Specification

Blocks may be classified as either solid or hollow. A block shall be deemed to be solid if it has no voids other than those inherent in the concrete. A block shall be deemed to be hollow if it has one or more large holes or cavities which are in or pass through the block ignoring the voids inherent in the concrete.

Blocks are available in various strength classes; 3.5MPa, 5MPa, 10MPa, 15MPa, 20MPa and 30MPa, each class characterised by colour. 5MPa solid or hollow blocks are sufficient for most building applications, including normal domestic construction projects.

Special blocks such as sound insulating blocks or those incorporating insulation may also be available. Each individual supplier should be contacted for details of product range.

The most common block dimensions are as set out below. All these block sizes may be used in accordance with I.S.325 : Part I

Face length x Face height		Thickness
Co-ordinating size mm	Work size mm	Work size mm
400 x 200	390 x 190	90 , 140 , 190
450 x 225	440 x 215	100 , 140 , 215
450 x 310	440 x 300	100

Block finishes are produced according to a number of classes as follows:

<b>Standard finish</b>	Common block for general purpose
<b>Fine texture finish</b>	Improved visual appearance as compared to standard block finish
<b>Painting quality finish</b>	Very fine textured block suitable for painting work
<b>Architectural blocks</b>	Blocks produced with a variety of textured and patterned finishes in a range of colours

## 3.2 CONCRETE BRICKS

### 3.2.1 General Description

A brick is defined as a rectangular prism that can be handled conveniently with one hand. The standard dimensions of bricks are 215mm x 100mm x 65mm, although other sizes may be available to order.

### 3.2.2 Codes & Standards

I.S. EN 771-3	<i>Specification for masonry units – Part 3: Aggregate concrete masonry units (Dense and light-weight aggregates)</i>
I.S. EN 325 : Part 1 : 1986	<i>Code of practice for use of masonry Part 1 : Structural use of unreinforced masonry</i>
I.S. EN 325 : Part 2 : 1995	<i>Code of Practice for use of masonry Part 2 : Masonry construction</i>

The standards cover the general, dimensional, manufacturing and performance requirements for concrete building bricks, along with the principles to be adopted in the design of structural masonry.

### 3.2.3 Specification

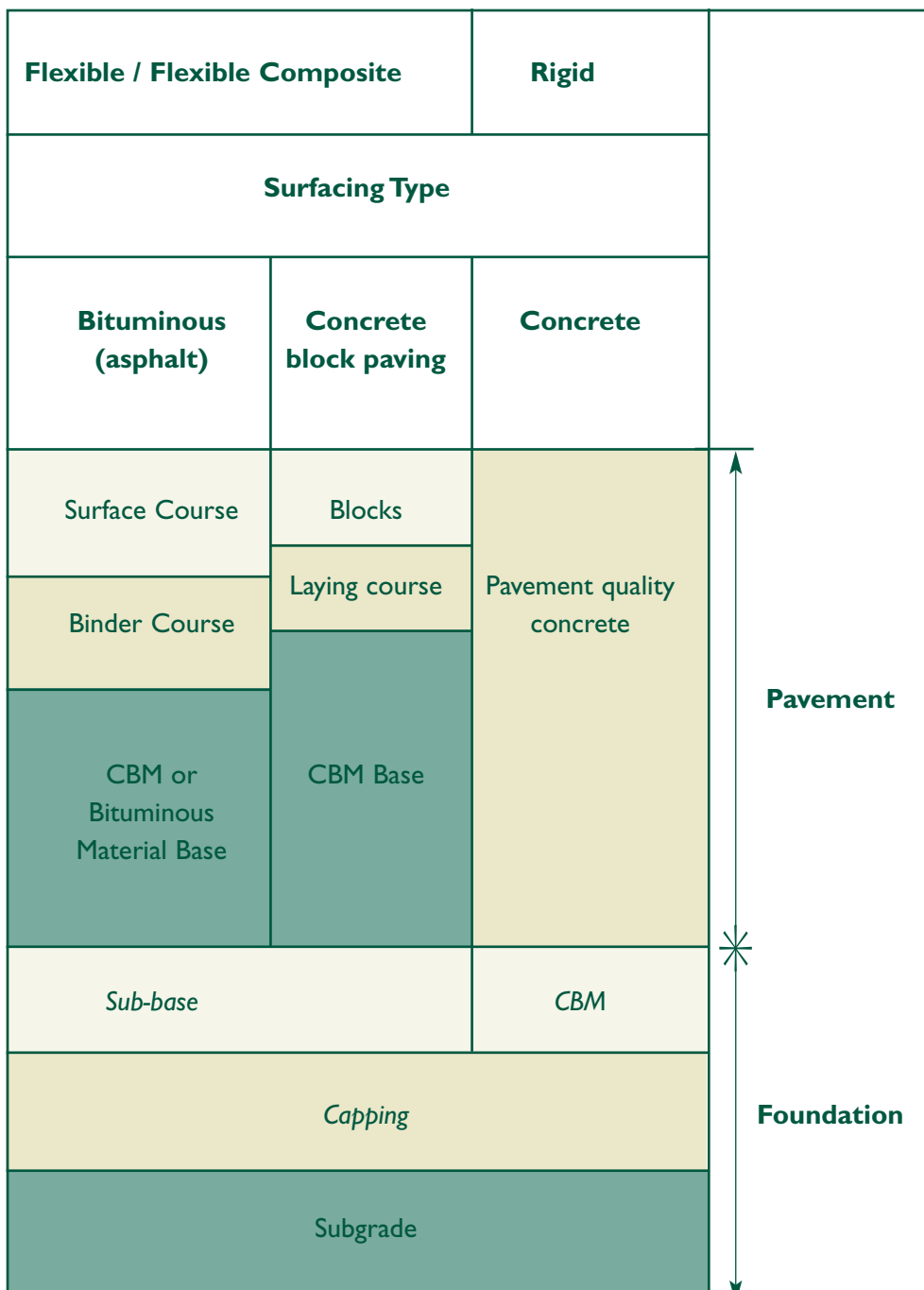
Concrete Bricks are characterised as follows:

<b>Facing bricks</b>	Produced in strengths of 20MPa, the facing brick is the basic unit used in the majority of facing work.
<b>Stock bricks</b>	Produced in strengths of 15MPa, stock bricks are used primarily for nonfacing work.
<b>Surface finish</b>	Bricks may either have the normal smooth faced finish or the rougher splittextured finish.
<b>Colour</b>	Bricks are available in a variety of colours. Each producer has its own selection of colours from which to choose. The mortar colour should be selected carefully to complement the chosen brick colour.

## 4.1 GENERAL DESCRIPTION

A road consists of a number of distinct layers built up from various materials to form a final running surface for vehicular traffic. Three principal pavement types are common to road construction as outlined in the following diagram.

Road Types & Terminology:  
(Diagrammatic only)



## 4.2 CODES & STANDARDS

- National Roads Authority (NRA) - Manual of Contract Documents  
 Vols. 1-4:2000 & revisions  
 (Vol. 1 Specification for Road Works)  
 - Design Manual for Roads and Bridges ; 2000

The NRA Specification for Road Works outlines requirements for site works, earth works, road bases and pavements, structural concrete and other details for bridge structures along with materials specification and testing.

## 4.3 SPECIFICATION

Road pavements are considered either rigid, flexible or flexible composite. Rigid pavements are constructed in concrete, whereas flexible pavements may be constructed in either block paving or using bituminous materials. A flexible/composite pavement consists of a mixture of flexible and cement bound materials.

### 4.3.1 PAVEMENT FOUNDATION

The pavement foundation is that part of the structure which provides a working platform for the construction of, and long term support to, the upper part of the road structure. The design of the pavement foundation is influenced by the subgrade quality and the traffic loading during construction.

**Subgrade:** The upper part of the soil, natural or constructed, that supports the loads transmitted by the overlying road structure.

**Capping:** One or more layers of unbound material, usually hardcore, used to strengthen weak subgrades. The capping may alternatively be formed by stabilising the upper part or the subgrade with lime and / or cement.

**Sub-base:** One or more layers of material placed on the subgrade or capping layer, providing a temporary surface for construction traffic.

Three types of unbound granular material are specified:

Type A, Type B, Type C in Clauses 803,804 & 805 of the NRA Specification for Road Works.

Wet-mix macadam is also specified for sub-base construction in clause 806.

### Cement Bound Material (CBM)

This type of sub-base material is specified in clauses 1035 to 1042 (incl.) and consists of mixtures of specified raw material and cement that have a moisture content compatible with compaction by rolling.

### 4.3.2 PAVEMENT

The pavement describes the upper part of the road structure which provides the structural layer to cater for traffic loads. The design of the pavement is dictated by the estimated in-service traffic on the road.

**Base:** Material placed on the sub-base which provides the main structural layer in flexible construction. The material used may be a lean mix cementitious material or macadam.

**Binder Course:** The lower layer of bituminous surfacing consisting of a dense bitumen macadam. (Asphaltic concrete).

**Surface Course:** The upper layer of a bituminous surfacing consisting of either Open Textured, Medium Textured, Rolled Asphalt or Dense Wearing Course Macadam. A surface dressing of coated chippings may also be added.

**Laying Course:** A layer of material, usually sharp sand, on which paving blocks are bedded.

**Paving Blocks:** Generally the paver thickness should be 50 mm, 60 mm, 65 mm or 80 mm to comply with I.S. EN 1338:2003. Precast concrete paving blocks shall be laid in accordance with relevant parts of BS7533 Pavements constructed with clay, natural stone or concrete pavers.

**Pavement Quality Concrete:** In-situ concrete used as the main structural component of the pavement acting as the base, bindercourse and surface course. The minimum allowable characteristic strength for pavement quality concrete is 37.5N/mm<sup>2</sup>

The following table summarises the clause in the specification appropriate to the choice of material for each construction layer:

Material	Sub-base	Roadbase	Surfacing
Crushed Stone	803 804	803 804	
Gravel	803 805	803 805	
Concrete			1001 - 1034
Cement bound granular materials	1038 1039	1038 1039	1035-1042
Coated chippings			915
Wet mix macadam	806	806	
Dense bitumen macadam		903	906 912
Open & medium texture macadam			916
Rolled asphalt			910 / 911

**Ref:** *NRA – Specification for Road Works*

## 5.1 PRECAST CONCRETE : STRUCTURAL

### 5.1.1 General Description

Structural precast components comprise reinforced and prestressed concrete structural elements and frames manufactured offsite in specialist precast concrete production plants. Precast concrete structural elements and frames are seen as an alternative to insitu concrete where there are requirements such as shorter construction times, special finishes or complex shapes which are otherwise difficult to produce.

### 5.1.2 Codes & Standards

Structural precast concrete elements are designed as per equivalent insitu concrete elements in a structure, with the same code governing the design of both methods of construction.

I.S. EN 326 : 2004	<i>Code of practice for the structural use of concrete</i>
I.S. EN 206-1:2002	<i>Concrete – Part 1: Specification, performance, production and conformity.</i>
B.S. 5400 : 1990	<i>Steel, concrete and composite bridges(see latest relevant parts)</i>
I.S. EN 13369:2004	<i>Common Rules for Precast Concrete Products</i>
I.S. EN 12794 : 2005,	<i>Precast concrete products – Foundation piles</i>
I.S.EN 12843 : 2004,	<i>Precast concrete products – Masts and poles</i>
I.S. EN 13224 : 2004,	<i>Precast concrete products – Ribbed floor elements</i>
I.S. EN 13225 : 2004,	<i>Precast concrete products – Linear structural elements</i>
I.S. EN 13693 : 2004,	<i>Precast concrete products – Special roof elements</i>
I.S. EN 13978 : 2005,	<i>Precast concrete products – Precast concrete garages</i>

### 5.1.3 Specification

Structural precast products are manufactured in a variety of predesigned and custom designed sizes. For flooring products standard load/span tables confirm the load/span capacity for a specific slab depth. Manufacturers catalogues and technical detail sheets illustrate typical structural details and confirm compliance with the building regulations and relevant codes and standards.

### 5.1.4 Product Range

Floor Wall & Roof Units	Beam & block floors	Culvert Units
Bridge Beams/Units	Bridge decking	Cladding
Prestressed Beams	Hollowcore floor units	Retaining Wall Units
Stairs/Lift Shafts	Concrete Structural Frames	Wide Slab Flooring
Reservoirs & Tanks		

## 5.2 PRECAST CONCRETE : CIVIL WORKS

### 5.2.1 General Description

Projects involving waste treatment, water treatment, water supply and drainage are all covered under the term 'Civil Works'. More complex unit shapes, higher durability requirements and good production control make precast concrete a viable alternative to in situ concrete for such applications.

### 5.2.2 Codes & Standards

I.S. 6 : 2004	<i>Concrete cylindrical pipes</i>
I.S. EN 1916 : 2004	<i>Concrete pipes and fittings, unreinforced, steel fibre and reinforced</i>
I.S. EN 1917 : 2004	<i>Concrete manholes and inspection chambers unreinforced, steel fibre and reinforced</i>
I.S. 136 : 1982	<i>Concrete fence posts</i>
I.S. 146 : 1965	<i>Precast concrete kerbs, channels, edgings, quadrants</i>
I.S. 252 : 1982	<i>Post and rail fencing</i>
I.S. 420 : 2004	<i>Precast concrete manholes</i>
S.R. 6 : 1991	<i>Septic tank systems, recommendation for domestic effluent treatment and disposal from a single dwelling house</i>
I.S. EN 326 : 2004	<i>Code of practice for the structural use of concrete.</i>
I.S. EN 1340 : 2003	<i>Concrete kerb units – Requirements and test methods</i>
B.S. 5911 : Part 6 : 2004	<i>Road gullies and gulley cover slabs</i>
B.S. 8007 : 1987	<i>Design of concrete structures for retaining aqueous liquids</i>
B.S. 8110 : 1997	<i>Structural use of concrete</i>

### 5.2.3 Specification

Precast concrete units for use in civil works are manufactured in a variety of standard sizes according to the appropriate code, plus a range of nonstandard sizes manufactured to the same quality requirements.

Compliance of products is assessed by regular sampling and testing of units.

### 5.2.4 Product Range

Armour Break Water Units	Culvert Units	Fencing/Fencing Posts
Gulley boxes	Kerbs & Road Barriers	Manholes, Base Sections & Covers
Concrete Pipes	Septic Tanks	Retaining Wall Units
Prestressed Tanks & Reservoirs		

### 5.3.1 General Description

Architectural precast concrete is generally chosen for its superior visual qualities in a finished structure. It can be produced faced with brick, stone, slate and many other materials as well as exposed aggregates with various textures and profiles. Cladding, being the visual facade of buildings, comprises the bulk of architectural precast concrete products.

### 5.3.2 Codes & Standards

I.S. EN 326 : 2004	<i>Code of practice for the structural use of concrete</i>
B.S. 1217 : 1997	<i>Specification for cast stone</i>
B.S. 6457 : 1984	<i>Specification for reconstructed stone masonry units</i>
B.S. 8110 : 1997	<i>Structural use of concrete</i>
B.S. 8297 : 2000	<i>Precast concrete cladding (non-loadbearing)</i>

### 5.3.3 Specification

Architectural precast concrete units are available in a range of sizes, colours, textures and finishes. Custom designed architectural panels are developed for individual projects at design development stage by a process of close cooperation between the design team and the specialist precast concrete producer.

### 5.3.4 Product Range

Polished Concrete Panels	Exposed Aggregate Concrete Panels
Reconstituted Stone	Natural Stone Faced Concrete Panels
Architectural GRC Panels	

## 5.4 PRECAST CONCRETE : BUILDING COMPONENTS

### 5.4.1 General Description

Any precast concrete unit which is used in normal masonry construction, with the exception of concrete masonry dealt with in section 3, may be deemed to be a building component. Such building components are used to complement masonry construction.

### 5.4.2 Codes & Standards

I.S. EN 490 : 2005	<i>Concrete roofing tiles and fittings – product specifications</i>
I.S. EN 491 : 2005	<i>Concrete roofing tiles and fittings – test methods</i>
I.S. ICP 2 : 2002	<i>Code of practice for slating and tiling</i>
I.S. 89: Part 1: 1981	<i>Window sills</i>
I.S. 240 : 1980	<i>Precast prestressed concrete units for use in composite lintels</i>
I.S. 255 : 1983	<i>Precast reinforced concrete lintels</i>

### 5.4.3 Specification

Precast concrete building units are manufactured in a range of types and sizes. The size and type of unit required for a particular application will depend on a number of factors. The standards should be referenced or suppliers advice sought in selecting the correct unit.

Compliance of products is assessed by regular sampling and testing of units.

### 5.4.4 Product Range

Lintels	Window sills
Roof tiles	Flue blocks and gatherers
Cappings	Cappings

### **5.5.1 General Description**

Street furniture refers to any element which is to be located on a public road or footpath in order to improve the ability of the area to cater for the public. Precast concrete street furniture is not unlike precast architectural concrete in that appearance is often of significant importance. Street furniture is generally nonstructural.

### **5.5.2 Specification**

The only requirements of precast concrete street furniture is that they are sound, durable and pass the visual requirements of the purchaser.

Standard street furniture is available in a range of sizes, colours, textures and finishes. Specialised units may also be available on request according to supplier. For specialised units, compliance with visual requirements is generally agreed on the basis of previously approved samples.

### **5.5.3 Product Range**

Street Furniture

## 5.6 PRECAST CONCRETE : AGRICULTURAL

### 5.6.1 General Description

Agricultural precast concrete covers any precast concrete units used in the construction of farm utilities. Concrete on the farm can be exposed to quite aggressive conditions with the result that concretes of higher durability are often required in specific areas.

### 5.6.2 Codes and Standards

I.S. EN 326 : 2004	<i>Code of practice for the structural use of concrete</i>
B.S. 8110 : 1997	<i>Structural use of concrete</i>
I.S. 249 : 1993	<i>Cattle slats (to be withdrawn 2005)</i>
I.S. EN 12737 : 2005	<i>Floor slats for livestock</i>
I.S. 252 : 1982	<i>Concrete post and rail fences</i>

### 5.6.3 Specification

Precast concrete units for use in agriculture are manufactured in a variety of types and sizes. The suppliers advice should be sought in selecting the correct unit for a particular situation.

### 5.6.4 Product Range

Cattle underpasses	Paddock Fencing	Slatted Flooring
Central Passage Floor Slabs	Slatted Tanks & Farm Buildings	

### 5.7.1 General Description

These are cement bound unreinforced paving blocks and flags (and complimentary fittings) used as the surface course in various paving applications, such as driveways, patios, footpaths, precincts, cycle tracks, car parks, roads, highways, industrial areas, airports, bus stations, petrol filling stations etc.

Paving blocks and flags are distinguished from each other mainly by their size, as follows:

Paving blocks	-	overall length divided by thickness $\leq 4$ ; smallest horizontal dimension $\geq 50\text{mm}$ ;
Flags	-	overall length divided by thickness $> 4$ ; greatest horizontal dimension $\leq 1\text{m}$ ;

### 5.7.2 Codes & Standards

I.S. EN 1338 : 2003	<i>Concrete paving blocks – Requirements and test methods</i>
I.S. EN 1339 : 2003	<i>Concrete paving flags – Requirements and test methods</i>
I.S. 146 : 1965	<i>Precast concrete kerbs, channels, edgings and quadrants</i>
I.S. EN 1340 : 2003	<i>Concrete kerb units – Requirements and test methods</i>

Other technical standards and documents should be consulted with respect to (i) structural design (i.e. the calculation of thicknesses and properties for each layer in the pavement, including the paving blocks / flags themselves) and (ii) workmanship (i.e. the correct methods to be used in actually constructing the pavement).

### 5.7.3 Specification

The paving blocks and flags are required to meet various quality criteria. These include the following characteristics:

- tolerances on manufacturer's declared dimensions ;
- tolerances on flatness and bow ;
- freedom from cracking, flaking, and delamination ;
- reasonable texture and colour consistency ;
- adequate resistance to weathering (as determined by water absorption or freeze / thaw resistance) ;
- adequate resistance to abrasion ;
- adequate resistance to slipping (pedestrians) and skidding (traffic) ;\*
- adequate strength (tensile splitting strength for paving blocks and bending strength for flags) ;

\* The slip / skid resistance of paving blocks and flags is generally deemed to be satisfactory without testing. However, in exceptional situations / applications this characteristic may need to be measured and the value (unpolished) declared by the manufacturer.

Paving blocks, flags, and complimentary fittings are available in a wide range of types, sizes, thicknesses, shapes, colours and textures and manufacturer's brochures should be consulted regarding this.

## AGRICULTURAL LIME

### 6.1 GENERAL DESCRIPTION

Agricultural lime is produced by quarrying and crushing a high grade limestone to a fine consistency according to the Department of Agriculture specification.

### 6.2 Codes & Standards

S.I. 248 : 1978      Department of Agriculture : Specification for ground limestone

The standard outlines limits for fineness, Total Neutralising Value (TNV) and moisture content of ground limestone.

## Codes & Standards Relevant to this Document

### 7.1 MATERIALS FOR CONCRETE & MORTAR

	Current Listing	Superseded by	I.C.S #	Notes
Portland Cement	I.S. 1 Portland Cement	I.S. EN 197-1 CEMENT - PART 1: COMPOSITION, SPECIFICATIONS AND CONFORMITY CRITERIA FOR COMMON CEMENTS	91.100.10	Also : I.S. EN 197-2, I.S. EN 197-3, I.S. EN 197-4.
	BS 4027 Specification for sulphate- resisting Portland cement		91.100.10	
	I.S. EN 196 Methods of testing cement		91.100.10	10 parts currently published.
Sand and Aggregates	I.S. 5 Aggregates for Concrete	I.S. EN 12620 AGGREGATES FOR CONCRETE - PART 1: SPECIFICATION I.S. 5-2 AGGREGATES FOR CONCRETE - PART 2: SAMPLING I.S. 5-3 AGGREGATES FOR CONCRETE - PART 3-0: TESTING - GENERAL	91.100.15 91.100.30	I.S.5-3 contains 17parts(0-16)
	BS 63 Road Aggregates	I.S. EN 13043 AGGREGATES FOR BITUMINOUS MIXTURES AND SURFACE TREATMENTS FOR ROADS, AIRFIELDS AND OTHER TRAFFICKED AREAS	91.100.15 91.100.30	Also available as I.S. EN 13043
	BS 812 Testing aggregates	I.S. EN 932, TESTS FOR GENERAL PROPERTIES OF AGGREGATES I.S. EN 933, TESTS FOR GEOMETRICAL PROPERTIES OF AGGREGATES. I.S. EN 1097	91.100.15 91.100.30	
	BS 882 Specification for aggregates from natural sources from concrete	I.S. EN 12620 AGGREGATES FOR CONCRETE SPECIFICATION I.S. EN 5-2 AGGREGATES FOR CONCRETE - PART 2: SAMPLING I.S. EN 5-3 AGGREGATES FOR CONCRETE - PART 3-0: TESTING - GENERAL	91.100.15 91.100.30	Also available as I.S. EN 12620
	BS 1199 & 1200 Specification for building sands from natural sources	I.S. EN 13139 AGGREGATES FOR MORTAR	91.100.15	Also available as I.S. EN 13139
	BS 3797 Specification for lightweight aggregate	I.S. EN 13055-1 LIGHTWEIGHT AGGREGATES - PART 1: LIGHTWEIGHT AGGREGATES FOR CONCRETE, MORTAR AND GROUT	91.100.15	Also available as I.S. EN 13055-1
	BS 5835 Recommendations for testing of aggregates		91.100.15	2 Parts (1 & 5)
	EN 932 Tests for general properties of aggregates		91.100.15	5 parts Also available as I.S. EN 932
	EN 933 TESTS FOR GEOMETRICAL PROPERTIES OF AGGREGATES		91.100.15	10 parts Also available as I.S. EN 933
Building Limes	I.S. 8 HYDRATED LIME FOR BUILDING PURPOSES		91.100.10	

## 7.1 MATERIALS FOR CONCRETE & MORTAR - Continued

	Current Listing	Superseded by	I.C.S #	Notes
	BS 890 Specification for building limes	I.S. EN 459-1 BUILDING LIME - PART 1: DEFINITIONS, SPECIFICATIONS AND CONFORMITY CRITERIA	91.100.10	Also available as I.S. EN 459-1
Admixtures and Additives	EN 12878 Specification for pigments for portland cement and portland cement products	I.S. EN 12878 PIGMENTS FOR THE COLOURING OF BUILDING MATERIALS BASED ON CEMENT AND/OR LIME - SPECIFICATIONS AND METHODS OF TEST	91.100.10 87.060.10	
	BS 48887 Mortar admixtures	I.S. EN 934 ADMIXTURES FOR CONCRETE, MORTAR AND GROUT I.S. EN 480 ADMIXTURES FOR CONCRETE, MORTAR AND GROUT - TEST METHODS	91.100.10 91.100.30	Also available as I.S. EN 934 and I.S. EN 480
Water	BS 3148	I.S. EN 1008 MIXING WATER FOR CONCRETE - SPECIFICATION FOR SAMPLING, TESTING AND ASSESSING THE SUITABILITY OF WATER	91.100.30	Also available as I.S. EN 1008

## 7.2 READY MIXED PRODUCTS

	Current Listing	Superseded by	I.C.S #	Notes
Ready Mixed Concrete	I.S. 326 Code of practice for the structural use of concrete		91.100.30	Latest version 2004
	BS 8110 Structural use of concrete		91.100.30	3 parts
	BS 8000 Part 2: Workmanship on building sites - Concrete work		91.100.30	16 parts
	BS 1881	I.S. EN 12350 TESTING FRESH CONCRETE	91.100.30	Also available as I.S. EN 12350
Ready Mixed Mortar	I.S. 406 Masonry mortars		91.100.10	
	BS 890 Specification for building limes	I.S. EN 459-1 BUILDING LIME - PART 1: DEFINITIONS, SPECIFICATIONS AND CONFORMITY CRITERIA	91.100.10	Also available as I.S. EN 459-1
	BS 4551 Methods of testing mortars, screeds and plasters	Partially superseded by BS 4551-1 and BS EN 1015 METHODS OF TEST FOR MORTAR FOR MASONRY	91.100.10	BS EN 1015 also available as I.S. EN 1015
	BS 4721	I.S. EN 998-1	91.100.10	Also available as
	Specification for ready mixed mortars	SPECIFICATION FOR MORTAR FOR MASONRY - RENDERING AND PLASTERING MORTAR BS EN 998-2 SPECIFICATION FOR MORTAR FOR MASONRY - PART 2: MASONRY MORTAR		I.S. EN 998-1 & I.S. EN 998-2
	BS 4887 Mortar admixtures			2 parts
	BS 8000: Part 3 Workmanship on building sites - Masonry		81.200	Latest version 2002
	BS PD 6472 Guide for specifying the quality of building mortars		91.100.10	

## 7.2 READY MIXED PRODUCTS - Continued

	Current Listing	Superseded by	I.C.S #	Notes
Ready Mixed Render	I.S. 8 HYDRATED LIME FOR BUILDING PURPOSES	I.S. EN 459 BUILDING LIME – PART 1: DEFINITIONS, SPECIFICATIONS AND CONFORMITY CRITERIA	91.100.10	
	BS 890 Specification for building limes	I.S. EN 459-1 BUILDING LIME - PART 1: DEFINITIONS, SPECIFICATIONS AND CONFORMITY CRITERIA	91.100.10	Also available as I.S. EN 459-1
	BS 1369 Steel lathing for internal plastering and internal rendering	BS 1369-1 STEEL LATHING FOR INTERNAL PLASTERING AND EXTERNAL RENDERING - SPECIFICATION FOR EXPANDED METAL AND RIBBED LATHING	91.100.99	
	BS 5492 Code of practice for internal plastering	I.S. EN 13914-2	91.180	1990 latest version
	BS 5262 Code of practice for external rendering	I.S. EN 13914-1	91.100.01	1991 latest version
	BS 8000 –Part 10 Workmanship on building sites-Plastering and rendering		91.200	1995 latest version
Floor Screeds	BS 4551 Methods of testing mortars, screeds and plasters	Partially superseded by BS 4551-1 and I.S. EN 1015 METHODS OF TEST FOR MORTAR FOR MASONRY	91.100.10	BS EN 1015 also available as I.S. EN 1015
	BS 8000-Part 9	BS 8000-Part 9	91.060.30	
	Workmanship on building sites-Floor screeds and toppings	WORKMANSHIP ON BUILDING SITES - PART 9: CEMENTITIOUS LEVELLING SCREEDS AND WEARING SCREEDS - CODE OF PRACTICE	91.200	
	BS 8204 Screeds, bases and in-situ floorings	BS 8204-1 SCREEDS, BASES AND IN SITU FLOORINGS - PART 1: CONCRETE BASES AND CEMENT SAND LEVELLING SCREEDS TO RECEIVE FLOORINGS - CODE OF PRACTICE	91.060.30	7 parts

## 7.3 MASONRY

	Current Listing	Superseded by	I.C.S #	Notes
Concrete Bricks and Concrete Blocks	I.S. 20 Concrete building blocks	I.S. EN 771-3 SPECIFICATION FOR MASONRY UNITS – PART 3: AGGREGATE CONCRETE MASONRY UNITS (DENSE AND LIGHT WEIGHT AGGREGATES)	91.100.30	Also: I. S. 20-1 CONCRETE BUILDING BLOCKS - PART 1: NORMAL DENSITY BLOCKS
	I.S. 189 Concrete building bricks		91.100.25	
	I.S. 268 Metal wall ties for masonry walls	I.S. EN 845-1 SPECIFICATION FOR ANCILLARY COMPONENTS FOR MASONRY – PART 1: TIES, TENSION STRAPS, HANGERS AND BRACKETS.	91.060.10	
	I.S. 325 Use of masonry	I.S. EN 998-2 SPECIFICATION FOR MORTAR FOR MASONRY – PART 2: MASONRY MORTAR	91.080.30	2 parts
	I.S. 406 Masonry mortars		91.100.10	
	BS 5390 Code of practice for stone masonry	BS 5628-3 CODE OF PRACTICE FOR USE OF MASONRY - PART 3: MATERIALS AND COMPONENTS, DESIGN AND WORKMANSHIP	91.080.30	
	BS 5628 Code of practice for the use of masonry	Partially superseded by I.S. EN 1052-1 METHODS OF TEST FOR MASONRY - DETERMINATION OF COMPRESSIVE STRENGTH	91.080.30	Also available as I.S. EN 1052-1
	BS 6073 Precast concrete masonry units	Partially superseded by I.S. EN 772-2 METHODS OF TEST FOR MASONRY UNITS - DETERMINATION OF PERCENTAGE AREA OF VOIDS IN AGGREGATE CONCRETE MASONRY UNITS	91.100.15	Also available as I.S. EN 772-2
	BS 6457 Specification for reconstructed stone masonry units	I.S. EN 771-5 SPECIFICATION FOR MASONRY UNITS – PART 5: MANUFACTURED STONE MASONRY UNITS	91.100.15	
	BS 8000-Part 3 Workmanship on building sites-Masonry		91.200	

## 7.4 MATERIALS FOR ROAD CONSTRUCTION

	Current Listing	Superseded by	I.C.S #	Notes
Materials	I.S. 326 Code of practice for the structural use of concrete		91.100.30	Will be superseded by I.S. EN1992 – Design of Concrete Structures.
	BS 63 Road aggregates	I.S. EN 13043 AGGREGATES FOR BITUMINOUS MIXTURES AND SURFACE TREATMENTS FOR ROADS, AIRFIELDS AND OTHER TRAFFICKED AREAS	91.100.15 93.080.20	Also available as I.S. EN 13043
	BS 594 Hot rolled asphalts for roads and other paved surfaces		93.80.20	2 parts Latest version 2003
	BS 4987 Coated macadam for roads and other paved areas	BS 4987-1 BS 4987-2 COATED MACADAM (ASPHALT CONCRETE) FOR ROADS AND OTHER PAVED AREAS	75.140 93.80.20	2 parts

## 7.5 PRECAST CONCRETE

	Current Listing	Superseded by	I.C.S #	Notes
Farm Buildings	I.S. 249 Cattle slats		65.040 91.100.30	
	BS 3445 Agricultural water troughs and water fittings		65.40.10	
	BS 5502 Buildings and structures for agriculture		65.40.01	
Fencing	I.S. 136 Concrete fence posts		91.100.30	
	I.S. 162 Concrete marking posts		91.100.30	
	I.S. 177 Anti-intruder concrete fence posts		91.100.30	
	I.S. 252 Concrete post and rail		91.100.30	
Paving Materials	I.S. 146 Precast concrete kerbs, channels, edgings, and quadrants	I.S. EN 1340 CONCRETE PAVING – KERBS, CHANNELS, EDGINGS AND QUADRANTS – REQUIREMENTS AND TEST METHODS	91.100.30	
	BS 1197 Specification for concrete flooring tiles and fittings	BS 1197-2 SPECIFICATION FOR CONCRETE FLOORING TILES AND FITTINGS - METRIC UNITS	91.100.30	
	BS 6717 Precast concrete paving blocks	B.S. 6717 PRECAST, UNREINFORCED CONCRETE PAVING BLOCKS - REQUIREMENTS AND TEST METHODS	91.100.30	

## 7.5 PRECAST CONCRETE - Continued

	Current Listing	Superseded by	I.C.S #	Notes
	BS 4131 Specification for terrazzo tiles	I.S. EN 13748-1 I.S. EN 13748-2 TERRAZZO TILES	91.100.30	Also available as I.S. EN 13748
	BS 4357 Specification for precast terrazzo units	I.S. EN 13748-1 I.S. EN 13748-2 TERRAZZO TILES	91.100.30	Also available as I.S. EN 13748
	BS 7263 Precast concrete flags, kerbs, channels, edgings and quadrants	I.S. EN 1339 PRECAST CONCRETE PAVING FLAGS - REQUIREMENTS AND TEST METHODS. I.S. EN 1340 CONCRETE PAVING – KERBS, CHANNELS, EDGINGS AND QUADRANTS – REQUIREMENTS AND TEST METHODS.	91.100.30 93.80.20	Also available as I.S. EN 1339
Building Components	ICP 2 Code of practice for slating and tiling	I.S. ICP 2 SLATING AND TILING		
	EN 491 Concrete roofing tiles and fittings	I.S. EN 491 CONCRETE ROOFING TILES AND FITTINGS FOR ROOF COVERING AND WALL CLADDING - TEST METHODS	91.060.20 91.100.30	
	I.S. 89 Window sills	I.S. EN 845-2 SPECIFICATION FOR ANCILLARY COMPONENTS FOR MASONRY – PART 2: LINTELS.	91.100.30	
	I.S. 240 Precast prestressed concrete units for use in composite lintels		91.100.30	
	I.S. 255 Precast reinforced lintels		91.100.30	
	BS 1217 Specification for cast stone	I.S. EN 771-5 SPECIFICATION FOR MASONRY UNITS – PART 5: MANUFACTURED STONE MASONRY UNITS.	91.100.15 91.100.30	
	BS 5642 Sills and coping	I.S. EN 845-2 SPECIFICATION FOR ANCILLARY COMPONENTS FOR MASONRY – PART 2: LINTELS	91.060.50	2 parts
Civil Engineering Works	SR 6 Septic tank systems	I.S. SR 6 SEPTIC TANK SYSTEMS		
	I.S. 6 Concrete sewer pipes		23.040.50 91.140.80 91.060.20 93.020	
	I.S. 420 Precast concrete manholes		91.100.30 91.080.30	
	BS 5911 Precast concrete pipes, fittings and ancillary products		91.100.30 91.080.30 91.140.80 91.060.20	
	BS 8007 Design of concrete structures for retaining aqueous liquids		91.080.40	

## 7.6 AGRICULTURE

	Current Listing	Superseded by	I.C.S #	Notes
Materials	SI 248			Please see dept of Agriculture website for required specifications
Construction	S 123			

## 7.7 ENGINEERING IN CONCRETE

	Current Listing	Superseded by	I.C.S #	Notes
Materials	I.S. 326 Code of practice for the structural use of concrete		91.100.30	Latest version 2004
	BS 1881 Testing concrete	I.S. EN 12350-1 TESTING FRESH CONCRETE - PART 1: SAMPLING	91.100.30	Also available as I.S. EN 12350-1
	BS 4449 Specification for carbon steel bars for the reinforcement of concrete		77.140.15 91.080.40	Latest version 1997
	BS 8666 Specification for scheduling, dimensioning, bending and cutting of steel reinforcement for concrete		77.140.15 91.080.40	
	BS 4483 Steel fabric for the reinforcement of concrete	I.S. EN 10080 STEEL FOR THE REINFORCEMENT OF CONCRETE	77.140.099	
	BS 4486 Specification for hot rolled and processed high tensile alloy steel bars for the prestressing of concrete		77.140.60 91.080.40	
	BS 5896 Specification for high tensile steel wire and strand for the prestressing of concrete		77.140.65	
	BS 6744 Specification for austenitic stainless steel bars for the reinforcement of concrete	BS 6744 STAINLESS STEEL BARS FOR THE REINFORCEMENT OF AND USE IN CONCRETE - REQUIREMENTS AND TEST METHODS	77.140.60 91.080.40	
	BS 7123 Specification for metal arc welding of steel for concrete reinforcement		25.160.10	
Structural Design	I.S. 326 Code of practice for the structural use of concrete		91.100.30	Latest version 2004
	BS 5400 Steel, concrete and composite bridges	BS 5400-1 STEEL, CONCRETE AND COMPOSITE BRIDGES - GENERAL STATEMENT	93.040	4 parts parts 2&3 superseded by EN's

## 7.7 ENGINEERING IN CONCRETE - Continued

	Current Listing	Superseded by	I.C.S #	Notes
	BS 6100 Glossary of building and civil engineering terms		01.040.91	
	BS 6089 Guide to assessment of concrete strength in existing structures		91.080.40 91.100.30	
	BS 6399 Loading for buildings		91.040 91.080.01	
	BS 8002 Code of practice for earth retaining structures		93.020	
	BS 8004 Code of practice for foundations		93.020	
	BS 8007 Code of practice for design of concrete structures for retaining aqueous liquids		91.080.40	
	BS 8110 Structural use of concrete- Code of practice		91.080.40	3 parts
	BS 8204 Screeds, bases, and in-situ floorings		91.060.30	7 parts
	BS CP 3 CH5- 2:Wind Loads	BS 6399-2 LOADING FOR BUILDINGS - PART 2: CODE OF PRACTICE FOR WIND LOADS	81.080.01	
Detailing	BS 5080 Structural fixing in concrete and masonry		91.100.30	2 parts
	BS 6093 Design of joints and jointing in building construction		91.060.90	
	BS 6213 Selection of construction sealants-Guide		91.100.50	
Concrete Construction	I.S. 326 Code of practice for the structural use of concrete		91.100.30	Latest version 2004
	BS 8000 Workmanship on building sites		91.200	
Structural Repairs	Bs 6089 Guide to assessment of concrete strength in existing structures		91.080.40 91.100.30	
	BS 6270 Cleaning and surface repair of buildings	BS 8221-1 CODE OF PRACTICE FOR CLEANING AND SURFACE REPAIR OF BUILDINGS - PART 1 - CLEANING OF NATURAL STONES, BRICK, TERRACOTTA AND CONCRETE	91.040.01	2 parts

## Institutions & Associations

### **Irish Concrete Federation**

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icf@iol.ie  
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### **Irish Concrete Society**

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### **National Standards Authority of Ireland**

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