

DECLARATION OF PERFORMANCE

No:	DoP-Grade 3 - EN12620 – 09/14	Issue date:	01 st June 18
1	Identification code of product:	Limestone Grade 3 Sand	
2	Type, batch or serial number:	Limestone Grade 3 Sand <i>dd/mm/yyyy</i> # # #	
3	Intended use:	All in aggregate for concrete and mortar	
4	Manufacturer:	Kilwaughter Minerals Ltd 9 Starbog Road Larne BT40 2TJ Phone: 028 2826 0766 Web: www.kilwaughter.com	
5	Authorised representative	N/A	
6	System of assessment	Conforms to Annex ZA of EN 12620:2013 Attestation System 4 Factory production control is in accordance with Annex H and monitored in compliance with an EN ISO9001 Quality Management System (BSI certificate No FM 85394).	
7	Declaration of performance:		

Essential Characteristic	Performance	Harmonised Standard														
Particle shape:	Angular to sub-rounded	EN 12620:2013														
Particle Size:	Category 0/2 G _{A90} G _{TcNR}															
	<table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Sieve Size</th> <th style="text-align: right;">Typical Grading (% Passing)</th> </tr> </thead> <tbody> <tr> <td>2D</td> <td style="text-align: right;">4.0 mm</td> </tr> <tr> <td>1.4D</td> <td style="text-align: right;">2.8 mm</td> </tr> <tr> <td>D</td> <td style="text-align: right;">2.0 mm</td> </tr> <tr> <td></td> <td style="text-align: right;">1.0 mm</td> </tr> <tr> <td></td> <td style="text-align: right;">0.250 mm</td> </tr> <tr> <td>d/2</td> <td style="text-align: right;">0.063 mm</td> </tr> </tbody> </table>		Sieve Size	Typical Grading (% Passing)	2D	4.0 mm	1.4D	2.8 mm	D	2.0 mm		1.0 mm		0.250 mm	d/2	0.063 mm
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2D	4.0 mm															
1.4D	2.8 mm															
D	2.0 mm															
	1.0 mm															
	0.250 mm															
d/2	0.063 mm															
Particle Density:	2.61 Mg/m ³															
Loose bulk density:	1.28 Mg/m ³															
Cleanliness:	f ₂₂															
Resistance to Fragmentation:	NPD															
Resistance to Polishing/abrasion/wear:	NPD															
Composition/Content;	Chloride <0.01% Acid soluble sulphate AS _{0.2} Total sulphur 0.20 %															
Constituents that alter the rate of setting;	NPD															
Volume stability:	NPD															
Water absorption:	NPD															
Dangerous Substances:																
Emission of Radioactivity	NPD															
Release of Heavy Metals	NPD															
Release of Polyaromatic carbons	NPD															
Release of other dangerous substances	NPD															
Durability against freeze/thaw:	NPD															
Durability against alkali- silica reactivity:	NPD															


Statement

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Neil Bareham
QA Manager

Date
Place of Issue


01 st June 18
Larne, Co Antrim, UK



Kilwaughter Minerals Ltd
 9 Starbog Road
 Larne
 Northern Ireland
 BT40 2TJ

Limestone Grade 3 Sand

EN 12620:2013

Aggregates for concrete

Particle shape	NPD
Particle Size	0/2 GA90 G _{TC} NR
Particle Density	2.61 Mg/m ³
Cleanliness	
Fines content	f ₂₂
Fines quality	NPD
Shell content	NPD
Resistance to fragmentation/crushing	NPD
Resistance to polishing	NPD
Resistance to abrasion	NPD
Resistance to wear:	NPD
Composition/Content	
Chloride	<0.01%
Acid soluble sulphate	AS _{0.2}
Total sulphur	0.20 %
Constituents that alter the rate of setting and hardening of concrete	NPD
Carbonate content	NPD
Volume stability	
Drying Shrinkage	NPD
Carbonate content	NPD
Water absorption	NPD
Emission of radioactivity	NPD
Release of Heavy Metals	NPD
Release of Polyaromatic carbons	NPD
Release of other dangerous substances	NPD
Durability against freeze/thaw:	NPD
Durability against alkali- silica reactivity:	NA