

## DECLARATION OF PERFORMANCE

No: **DoP - Granular - EN12620 – 06/13** Issue date: 01<sup>st</sup> June 18

1 Identification code of product: Limestone Granular

2 Type, batch or serial number: Limestone Granular Sand *dd/mm/yyyy* # # #

3 Intended use: Aggregate for concrete and mortar

4 Manufacturer: Kilwaughter Minerals Ltd  
9 Starbog Road  
Larne  
BT40 2TJ

Phone: 028 2826 0766 Web: [www.kilwaughter.com](http://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  | <b>EN 12620:2013</b> |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| Particle Size:                                | Category 0.125/1 G <sub>F85/20</sub> G <sub>Tc20</sub>  |                      |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
|   | <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Sieve Size</th> <th style="text-align: left;">Typical Grading (% Passing)</th> </tr> </thead> <tbody> <tr> <td>2D</td> <td>2.0 mm</td> <td>100</td> </tr> <tr> <td>D</td> <td>1.0 mm</td> <td>97</td> </tr> <tr> <td></td> <td>0.50 mm</td> <td>75</td> </tr> <tr> <td>d</td> <td>0.125 mm</td> <td>5</td> </tr> <tr> <td>d/2</td> <td>0.063 mm</td> <td>2</td> </tr> </tbody> </table> |                      | Sieve Size | Typical Grading (% Passing) | 2D | 2.0 mm | 100 | D | 1.0 mm | 97 |  | 0.50 mm | 75 | d | 0.125 mm | 5 | d/2 | 0.063 mm | 2 |
| Sieve Size                                    | Typical Grading (% Passing)   |                      |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| 2D  | 2.0 mm  |                      | 100        |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| D   | 1.0 mm  |                      | 97         |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
|   | 0.50 mm   |                      | 75         |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| d   | 0.125 mm  |                      | 5          |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| d/2   | 0.063 mm  |                      | 2          |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| Particle Density:                             | 2.70 Mg/m <sup>3</sup>  |                      |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| Loose bulk density:                           | 1.3 Mg/m <sup>3</sup>   |                      |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| Cleanliness:                                  | f <sub>10</sub>   |                      |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| Resistance to Fragmentation:                  | NPD   |                      |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| Resistance to Polishing/abrasion/wear:        | NPD   |                      |            |                             |    |        |     |   |        |    |  |         |    |   |          |   |     |          |   |
| Composition/Content;                          | Chloride <0.01%<br>Acid soluble sulphate AS <sub>0.2</sub><br>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

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|---|
|  |
| 01 <sup>st</sup> June 18  |
| <b>Larne, Co Antrim, UK</b>   |



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

**Limestone Granular**

**EN 12620:2013**

**Aggregates for concrete**

|   |   |
|---|---|
| <b>Particle shape</b>   | NPD   |
| <b>Particle Size</b>  | 0.125/1 G <sub>F85/20</sub> G <sub>TC20</sub> |
| <b>Particle Density</b>   | 2.7 Mg/m <sup>3</sup>                         |
| <b>Cleanliness</b>  |   |
| Fines content   | F <sub>10</sub>                               |
| Fines quality   | NPD   |
| Shell content   | NPD   |
| <b>Resistance to fragmentation/crushing</b>                           | NPD   |
| <b>Resistance to polishing</b>  | NPD   |
| <b>Resistance to abrasion</b>   | NPD   |
| <b>Resistance to wear:</b>  | NPD   |
| <b>Composition/Content</b>  |   |
| Chloride  | <0.01%  |
| Acid soluble sulphate   | AS <sub>0.2</sub>                             |
| Total sulphur   | 0.20 %  |
| Constituents that alter the rate of setting and hardening of concrete | NPD   |
| Carbonate content   | NPD   |
| <b>Volume stability</b>   |   |
| Drying Shrinkage  | NPD   |
| Carbonate content   | NPD   |
| <b>Water absorption</b>   | NPD   |
| <b>Emission of radioactivity</b>                                      | NPD   |
| <b>Release of Heavy Metals</b>  | NPD   |
| <b>Release of Polyaromatic carbons</b>                                | NPD   |
| <b>Release of other dangerous substances</b>                          | NPD   |
| <b>Durability against freeze/thaw:</b>                                | NPD   |
| <b>Durability against alkali- silica reactivity:</b>                  | NPD   |