

## DECLARATION OF PERFORMANCE

DOP/MSG/6.314

### 6.3/14 (14mm Chip)

Muckish Sand & Gravel, Carrownamaddy, Dunfanaghy, Co. Donegal

1. Unique Identification Codes for the product types: 6.3/14 (14mm Chip)
2. Intended use: Preparation of concrete for use in buildings, roads and other civil engineering applications
3. Manufacturer: Muckish Sand & Gravel, Carrownamaddy, Dunfanaghy, Co. Donegal
4. Authorised Representative: Not Applicable
5. System of AVCP: 2+
- 6a. Harmonised Standard: IS EN 12620:2002 + A1:2008
- Notified certification body: National Standards Authority Ireland - 0050
7. Declared Performance

| Characteristic                                                                 | Declared Performance        | Harmonised Technical Specification |
|--------------------------------------------------------------------------------|-----------------------------|------------------------------------|
| Particle Size                                                                  | 6.3/14 G <sub>C</sub> 90/15 | EN 933-1                           |
| Particle Shape                                                                 | Fl <sub>15</sub>            | EN 933-3                           |
| Particle Density                                                               | 2.4 Mg/m <sup>3</sup>       | EN 1097-6                          |
| Aggregate Type / Description                                                   | Quartzite                   | EN 932-3                           |
| Fines Content                                                                  | f <sub>1.5</sub>            | EN 933-1                           |
| Shell Content                                                                  | NPD                         | EN 933-7                           |
| Resistance to Fragmentation                                                    | LA <sub>30</sub>            | EN 1097-2                          |
| Resistance to Polishing                                                        | NPD                         | EN 1097-8                          |
| Resistance to Abrasion                                                         | NPD                         | EN 1097-8                          |
| Resistance to Abrasion (studded tyre)                                          | NPD                         | EN 1097-9                          |
| Constituents of coarse recycled aggs                                           | NPD                         | EN 933-11                          |
| Chloride Content (Water Soluble)                                               | C% <sub>0.0</sub>           | EN 1744-1                          |
| Acid soluble sulphates                                                         | AS <sub>0.2</sub>           | EN 1744-1                          |
| Total Sulfur                                                                   | S <sub>0.1</sub>            | EN 1744-1                          |
| Water Soluble Sulfates of recycled aggs                                        | NPD                         | EN 1744-1                          |
| Constituents which alter the rate of setting and hardening of concrete         | NPD                         | EN 1744-1                          |
| Influence of recycled aggregates on initial setting time of cement             | NPD                         | EN 1744-1                          |
| Carbonate Content                                                              | NPD                         | EN 196-2                           |
| Volume Stability – Drying Shrinkage                                            | <0.075%                     | EN 1367-4                          |
| Constituents which affect the volume stability of air-cooled blastfurnace slag | NPD                         | EN 1744-1                          |
| Water Absorption                                                               | WA <sub>24</sub> 2          | EN 1097-6                          |
| Emmission of Radioactivity                                                     | NPD                         | EN 12620                           |
| Release of heavy metals                                                        | NPD                         | EN 12620                           |
| Release of polyaromatic carbons                                                | NPD                         | EN 12620                           |
| Release of other dangerous substances                                          | NPD                         | EN 12620                           |
| Durability against freeze/thaw                                                 | MS <sub>18</sub>            | EN 1367-2                          |
| Durability against alkali-silica reactivity                                    | NPD                         | I.S. EN 12620:2002+A1:2008         |

8. N/A

The performance of the product identified above is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of Muckish Sand & Gravel.

Signed for and on behalf of Muckish Sand & Gravel, by Managing Director, Bernard McGinley

Name: Bernard McGinley Managing Director on this date 25/03/2025



0050

**Muckish Sand & Gravel,  
Carrownamaddy, Dunfanaghy, CO. DONEGAL**

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0050 - CPR - 1234

I.S. EN 12620:2002+A1:2008

**Aggregates for Concrete**

6.3/14 (14mm Chip)

MSG/6.314

|                                                                                |                 |                             |
|--------------------------------------------------------------------------------|-----------------|-----------------------------|
| <b>Particle Size</b>                                                           | Designation     | 6.3/14 G <sub>C</sub> 90/15 |
| <b>Particle Shape</b>                                                          | Category        | Fl <sub>15</sub>            |
| <b>Particle Density</b>                                                        | Declared Value  | 2.4 Mg/m <sup>3</sup>       |
| <b>Aggregate Type / Description</b>                                            |                 | Quartzite                   |
| <b>Cleanliness</b>                                                             |                 |                             |
| Fines Content                                                                  | Category        | f <sub>1.5</sub>            |
| Shell Content                                                                  | Category        | NPD                         |
| <b>Resistance to Fragmentation</b>                                             | Category        | LA <sub>30</sub>            |
| <b>Resistance to Polishing</b>                                                 | Category        | NPD                         |
| <b>Resistance to Abrasion</b>                                                  | Category        | NPD                         |
| <b>Resistance to Abrasion (studded tyre)</b>                                   | Category        | NPD                         |
| <b>Composition/Content</b>                                                     |                 |                             |
| Constituents of coarse recycled aggs                                           | Category        | NPD                         |
| Chloride Content (Water Soluble)                                               | Declared Value  | C% <sub>0.0</sub>           |
| Acid soluble sulphates                                                         | Category        | AS <sub>0.2</sub>           |
| Total Sulfur                                                                   | Category        | S <sub>0.1</sub>            |
| Water Soluble Sulfates of recycled aggs                                        | Category        | NPD                         |
| Constituents which alter the rate of setting and hardening of concrete         | Threshold Value | NPD                         |
| Influence of recycled aggregates on initial setting time of cement             | Category        | NPD                         |
| Carbonate Content                                                              | Declared Value  | NPD                         |
| <b>Volume Stability</b>                                                        |                 |                             |
| Drying Shrinkage                                                               | Threshold Value | <0.075%                     |
| Constituents which affect the volume stability of air-cooled blastfurnace slag | Threshold Value | NPD                         |
| Water Absorption                                                               | Declared Value  | WA <sub>24</sub> 2          |
| Emission of Radioactivity                                                      | Declared Value  | NPD                         |
| Release of heavy metals                                                        | Threshold Value | NPD                         |
| Release of polyaromatic carbons                                                | Threshold Value | NPD                         |
| Release of other dangerous substances                                          | Declared Value  | NPD                         |
| <b>Durability against freeze/thaw</b>                                          | Category        | MS <sub>18</sub>            |
| <b>Durability against alkali-silica reactivity</b>                             | Declared Value  | NPD                         |