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## DOP/MSG/1020 10/20 (20mm Chip)

McFadden & McGinley T/A Muckish Sand & Gravel, Ummerafad, Creeslough, Co. Donegal, F92 PK10

IS EN 12620:2002 + A1:2008

0050

**Intended Use:** Preparation of concrete for use in buildings, roads and other civil engineering applications

| Characteristic                                                                | Declared Performance  | Harmonised Technical Specification |
|-------------------------------------------------------------------------------|-----------------------|------------------------------------|
| Particle Size                                                                 | 10/20 GC80/20         | EN 933-1                           |
| Particle Shape                                                                | FI20                  | EN 933-3                           |
| Particle Density                                                              | 2.6 Mg/m <sup>3</sup> | EN 1097-6                          |
| Aggregate Type / Description                                                  | Quartzite             | EN 932-3                           |
| Fines Content                                                                 | f1.5                  | EN 933-1                           |
| Shell Content                                                                 | NPD                   | EN 933-7                           |
| Resistance to Fragmentation                                                   | LA30                  | 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%0.0                 | EN 1744-1                          |
| Acid soluble sulphates                                                        | AS 0.2                | EN 1744-1                          |
| Total Sulfur                                                                  | S 0.1                 | 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                                           | 0.027                 | EN 1367-4                          |
| Constituents which affect the volume stability of aircooled blastfurnace slag | NPD                   | EN 1744-1                          |
| Water Absorption                                                              | WA 24 1               | 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                                                | MS18                  | EN 1367-2                          |
| Durability against alkali-silica reactivity                                   | NPD                   | I.S. EN 12620:2002+A1:2008         |

## DECLARATION OF PERFORMANCE

Unique Identification Codes for the product types: MSG/1020 10/20 (20mm Chip)

1. Intended use: Preparation of concrete for use in buildings, roads and other civil engineering applications
2. Manufacturer: Muckish Sand & Gravel, Carrownamaddy, Dunfanaghy, Co. Donegal F92 PK10
3. Authorised Representative: Donegal Not Applicable
4. System of AVCP: AVCP System 2+
5. Harmonised Standard: IS EN 12620:2002 + A1:2008
6. Notified certification body: NSAI - 0050
7. Declared Performance:

| Characteristic                                                                | Declared Performance  | Harmonised Technical Specification |
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| Particle Shape                                                                | FI20                  | EN 933-3                           |
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| Fines Content                                                                 | f1.5                  | EN 933-1                           |
| Shell Content                                                                 | NPD                   | EN 933-7                           |
| Resistance to Fragmentation                                                   | LA30                  | 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                          |
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| Acid soluble sulphates                                                        | AS 0.2                | EN 1744-1                          |
| Total Sulfur                                                                  | S 0.1                 | 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                                           | 0.027                 | EN 1367-4                          |
| Constituents which affect the volume stability of aircooled blastfurnace slag | NPD                   | EN 1744-1                          |
| Water Absorption                                                              | WA 24 1               | 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                                                | MS18                  | EN 1367-2                          |
| Durability against alkali-silica reactivity                                   | NPD                   | I.S. EN 12620:2002+A1:2008         |

The performance of the product identified above is in conformity with the declared performances.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: Bernard McGinley, Managing Director At: Carrownamaddy, Dunfanaghy, Co. Donegal, F92 PK10 on:

Signed: .....