

## Declaration of Performance

DOP/GL/45353

### 4/20 (Perm.Pav)

Gallstown, Grangebellew, Co Louth

- 1. Unique Identification code of the product - type:** Code: 45353 - 4/20 (Perm.Pav)
- 2. Intended use/es:** Preparation of concrete for use in buildings, roads and other civil engineering works.
- 3. Manufacturer:** Kilsaran Concrete, Piercetown, Dunboyne Co. Meath
- 4. Authorised Representative:** N/A
- 5. System of AVCP:** System 2+
- 6a. Harmonised Standard:** I.S. EN 12620:2002+A1:2008 **Notified Body:** NSAI (0050-CPR-0592)
- 7. Declared Performance/s:**

| Characteristic   | Declared Performance                  | Harmonised Technical Specification |
|--|---------------------------------------|------------------------------------|
| Particle Size  | Designation 4/20 G <sub>C</sub> 90/15 | EN 933-1                           |
| Particle shape   | Category FI <sub>30</sub>             | EN 933-3                           |
| Particle density   | Declared Value 2.8 Mg/m <sup>3</sup>  | EN 1097-6                          |
| Aggregate Type / Description   | Greywacke                             | EN 932-3                           |
| Fines content  | Category f <sub>4</sub>               | EN 933-1                           |
| Shell Content  | Category NPD                          | EN 933-7                           |
| Resistance to fragmentation/crushing   | Category LA <sub>20</sub>             | EN 1097-2                          |
| Resistance to wear   | Category M <sub>de 35</sub>           | EN 1097-1                          |
| Resistance to Polishing  | Category NPD                          | EN 1097-8                          |
| Resistance to Abrasion   | Category NPD                          | EN 1097-8                          |
| Resistance to abrasion from studded tyres                                      | Category NPD                          | EN 1097-9                          |
| Constituents of coarse recycled aggregates                                     | Category NPD                          | EN 933-11                          |
| Chlorides  | Declared Value C (%) <0.001           | EN 1744-1                          |
| Acid soluble sulfate   | Declared Value AS <sub>0.03</sub>     | EN 1744-1                          |
| Total sulphur  | Declared Value S <sub>0.03</sub>      | EN 1744-1                          |
| Water soluble sulfates of recycled aggregates                                  | Category NPD                          | EN 1744-1                          |
| Constituents which alter the rate of setting and hardening of concrete         | Threshold Value NPD                   | EN 1744-1                          |
| Influence of recycled aggregates on initial setting time of cement             | Category NPD                          | EN 1744-1                          |
| Carbonate Content  | Declared Value NPD                    | EN 196-2                           |
| Volume Stability - Drying Shrinkage  | Threshold Value Pass <0.075%          | EN 1367-4                          |
| Constituents which affect the volume stability of air-cooled blastfurnace slag | Threshold Value NPD                   | EN 1744-1                          |
| Water absorption   | Declared Value WA <sub>24</sub> 0.7   | EN 1097-6                          |
| Emmission of Radioactivity   | Declared Value NPD                    | EN 12620                           |
| Release of heavy metals  | Threshold Value NPD                   | EN 12620                           |
| Release of polyaromatic carbons  | Threshold Value NPD                   | EN 12620                           |
| Release of other dangerous substances  | Declared Value NPD                    | EN 12620                           |
| Durability against freeze/thaw   | Category MS <sub>18</sub>             | EN 1367-2                          |
| Durability against alkali-silica reactivity                                    | Declared Value NPD                    | I.S. EN 12620:2002+A1:2008         |

8. N/A

<http://www.kilsaran.ie/build/technical-downloads/>

The performance of the product identified above is in conformity with the set of 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:

**Thomas Little at Piercetown, Dunboyne, Co Meath on 24/05/2017**





Kilsaran Concrete  
Piercetown, Dunboyne Co. Meath  
16

**I.S. EN 12620:2002+A1:2008**  
**Aggregates for Concrete**

**4/20 (Perm.Pav)**  
Gallstown, Grangebellew, Co Louth  
GL/45353

|  |                 |           |                       |
|--|-----------------|-----------|-----------------------|
| <b>Particle size</b>   | Designation     | 4/20      | G <sub>c</sub> 90/15  |
| <b>Particle shape</b>  | Category        |           | FI <sub>30</sub>      |
| <b>Particle density</b>  | Declared Value  |           | 2.8 Mg/m <sup>3</sup> |
| <b>Aggregate Type / Description</b>  |                 | Greywacke |                       |
| <b>Cleanliness</b>   |                 |           |                       |
| Fines content  | Category        |           | F <sub>4</sub>        |
| Shell Content  | Category        |           | NPD                   |
| <b>Resistance to fragmentation/crushing</b>                                    | Category        |           | LA <sub>20</sub>      |
| <b>Resistance to wear</b>  | Category        |           | M <sub>de 35</sub>    |
| <b>Resistance to Polishing</b>   | Category        |           | NPD                   |
| <b>Resistance to Abrasion</b>  | Category        |           | NPD                   |
| <b>Resistance to abrasion from studded tyres</b>                               | Category        |           | NPD                   |
| <b>Composition/Content</b>   |                 |           |                       |
| Constituents of coarse recycled aggregates                                     | Category        |           | NPD                   |
| Chlorides  | Declared Value  |           | C (%) <0.001          |
| Acid soluble sulfate   | Category        |           | AS <sub>0.2</sub>     |
| Total sulphur  | Category        |           | S <sub>1</sub>        |
| Water soluble sulfates of recycled aggregates                                  | 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 |           | Pass <0.075%          |
| Constituents which affect the volume stability of air-cooled blastfurnace slag | Threshold Value |           | NPD                   |
| <b>Water absorption</b>  | Declared Value  |           | WA <sub>24</sub> 0.7  |
| <b>Emmission of Radioactivity</b>  | Declared Value  |           | NPD                   |
| <b>Release of heavy metals</b>   | Threshold Value |           | NPD                   |
| <b>Release of polyaromatic carbons</b>   | Threshold Value |           | NPD                   |
| <b>Release of other dangerous substances</b>                                   | Declared Value  |           | NPD                   |
| <b>Durability against freeze/thaw</b>  | Category        |           | MS <sub>18</sub>      |
| <b>Durability against alkali-silica reactivity</b>                             | Declared Value  |           | NPD                   |