

## Declaration of Performance

DOP/RO/71507

**10/20 (20mm)**

Rossmore Quarry, Rossmore, Co Cork

- 1. Unique Identification code of the product - type:** Code: 71507 - 10/20 (20mm)
- 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-0601)
- 7. Declared Performance/s:**

Characteristic	Declared Performance	Harmonised Technical Specification
Particle Size	Designation 10/20 G <sub>C</sub> 85/20	EN 933-1
Particle shape	Category FI <sub>30</sub>	EN 933-3
Particle density	Declared Value 2.7 Mg/m <sup>3</sup>	EN 1097-6
Aggregate Type / Description	Limestone	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>30</sub>	EN 1097-2
Resistance to wear	Category M <sub>de 20</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>0.04</sub>	EN 1744-1
Total sulphur	Declared Value S <sub>0.02</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> 0.4	EN 1097-6
Emission 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 15/05/2017





**0050**

Kilsaran Concrete  
Piercetown, Dunboyne Co. Meath  
15  
0050-CPR-0601

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

**10/20 (20mm)**

Rossmore Quarry, Rossmore, Co Cork  
RO/71507

<b>Particle size</b>	Designation	10/20	G <sub>c</sub> 85/20
<b>Particle shape</b>	Category		FI <sub>30</sub>
<b>Particle density</b>	Declared Value		2.7 Mg/m <sup>3</sup>
<b>Aggregate Type / Description</b>			Limestone
<b>Cleanliness</b>			
Fines content	Category		F <sub>4</sub>
Shell Content	Category		NPD
<b>Resistance to fragmentation/crushing</b>	Category		LA <sub>30</sub>
<b>Resistance to wear</b>	Category		M <sub>de 20</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> 0.4
<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