

Declaration of Performance

DOP/RO/71510

0/2 (Manufactured Sand)

Rossmore Quarry, Rossmore, Co Cork

- 1. Unique Identification code of the product - type:** Code: 71510 - 0/2 (Manufactured Sand)
- 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 0/2 G _r 85	EN 933-1
Particle shape	Category NPD	EN 933-3
Particle density	Declared Value 2.7 Mg/m ³	EN 1097-6
Aggregate Type / Description	Limestone	EN 932-3
Fines content	Category f ₁₆	EN 933-1
Shell Content	Category NPD	EN 933-7
Resistance to fragmentation/crushing	Category LA ₃₀	EN 1097-2
Resistance to wear	Category M _{de 20}	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 _{0.04}	EN 1744-1
Total sulphur	Declared Value S _{0.02}	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 ₂₄ 0.4	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 ₁₈	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 26/04/2018





0050

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

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

0/2 (Manufactured Sand)

Rossmore Quarry, Rossmore, Co Cork
RO/71510

Particle size	Designation	0/2	G _r 85
Particle shape	Category	NPD	
Particle density	Declared Value	2.7 Mg/m ³	
Aggregate Type / Description	Limestone		
Cleanliness			
Fines content	Category	F ₁₆	
Shell Content	Category	NPD	
Resistance to fragmentation/crushing	Category	LA ₃₀	
Resistance to wear	Category	M _{de 20}	
Resistance to Polishing	Category	NPD	
Resistance to Abrasion	Category	NPD	
Resistance to abrasion from studded tyres	Category	NPD	
Composition/Content			
Constituents of coarse recycled aggregates	Category	NPD	
Chlorides	Declared Value	C (%) <0.001	
Acid soluble sulfate	Category	AS _{0.2}	
Total sulphur	Category	S ₁	
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	
Volume Stability			
Drying Shrinkage	Threshold Value	Pass <0.075%	
Constituents which affect the volume stability of air-cooled blastfurnace slag	Threshold Value	NPD	
Water absorption	Declared Value	WA ₂₄ 0.4	
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	
Durability against freeze/thaw	Category	MS ₁₈	
Durability against alkali-silica reactivity	Declared Value	NPD	