

## Declaration of Performance

DOP/BT/01142

### 0/4 (Washed Sand) Bunaterin, Tullamore, Co Offaly

- 1. Unique Identification code of the product - type:** Code: 01142 - 0/4 (Washed 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-0597)
- 7. Declared Performance/s:**

Characteristic	Declared Performance	Harmonised Technical Specification
Particle Size	Designation 0/4 G <sub>r</sub> 85	EN 933-1
Particle shape	Category NPD	EN 933-3
Particle density	Declared Value 2.7 Mg/m <sup>3</sup>	EN 1097-6
Aggregate Type / Description	Limestone (G)	EN 932-3
Fines content	Category f <sub>3</sub>	EN 933-1
Shell Content	Category NPD	EN 933-7
Resistance to fragmentation/crushing	Category LA <sub>25</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>0.03</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> 1.1	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 26/04/2018**





**0050**

Kilsaran Concrete  
Piercetown, Dunboyne Co. Meath  
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0050-CPR-0597

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

**0/4 (Washed Sand)**

Bunaterin, Tullamore, Co Offaly  
BT/01142

<b>Particle size</b>	Designation	0/4	G <sub>r</sub> 85
<b>Particle shape</b>	Category	NPD	
<b>Particle density</b>	Declared Value	2.7 Mg/m <sup>3</sup>	
<b>Aggregate Type / Description</b>		Limestone (G)	
<b>Cleanliness</b>			
Fines content	Category	F <sub>3</sub>	
Shell Content	Category	NPD	
<b>Resistance to fragmentation/crushing</b>	Category	LA <sub>25</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> 1.1	
<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	