



## Declaration of Performance

Hanlon Concrete Products Ltd.  
Lowtown, Robertstown, Naas, Co Kildare

18

0050 - CPR - 0758

### Coarse Aggregate for use in Concrete and Concrete Masonry Units

*Table 1 – Product Type and identification:*

Name / Identification	Category to I.S. EN 12620:2002
40mm Aggregate for Concrete	20/40 G <sub>c</sub> 80/20
20mm Aggregate for Concrete	10/20 G <sub>c</sub> 80/20
14mm Aggregate for Concrete	6,3/14 G <sub>c</sub> 90/15
10mm Round Aggregate for Concrete	4/10 G <sub>c</sub> 80/20
Grit (2/6,3 Aggregate)	2/6,3 G <sub>c</sub> 80/20

**Intended Use:** Aggregates for use in Concrete and Concrete Masonry Units.

**Manufacturer:** Hanlon Concrete Products Ltd.  
Lowtown, Roberstown, Naas, Co Kildare.

**System of AVCP:** System 2+

**Harmonized Standards:**

- I.S. EN 12620:2002+A1:2008 - Aggregates for Concrete
- S.R. 16:2016 - Guidance on the use of I.S. EN 12620:2002 +A1:2008 - Aggregates for concrete

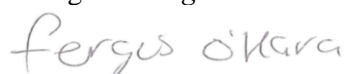
**Declared Performance:** The declared essential characteristics and performance of each product is as follows:

**Table 2 – Essential Characteristics and Performance:**

Essential Characteristics	Category to I.S. EN 12620:2002+A1:2008
Grading / Particle size	Please refer to <i>Table 1 – Product Type and identification.</i>
Particle shape	Fl <sub>35</sub>
Fines content	f <sub>1.5</sub>
Los Angeles Coefficient (Resistance to Fragmentation)	LA <sub>30</sub>
Water Absorption	≤2
Magnesium Sulfate Soundness	MS <sub>18</sub>
Acid-Soluble Sulfate Content	AS <sub>0.2</sub>
Total Sulfur (Ts)	≤0.1
Geological Examination	Mudrock <10%
Petrographic Assessment (Thin Section) (Only for 0.1% < Ts < 1%)	Ts ≤0.1

Signed: *Fergus O'Hara.*

Date: 24<sup>th</sup> March 2023



CE

0050

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0050 - CPR - 0758

I.S. EN 12620:2002+A1:2008

**Coarse Aggregate for use in Concrete and Concrete Masonry Units**

<b>Particle Shape</b>	Fl <sub>35</sub>
<b>Particle Size</b>	Refer to DOP, <i>Table 1 – Product Type and identification</i> , Category to I.S. EN 12620:2002
<b>Particle Density</b>	
Apparent Particle density	2.69 Mg/m <sup>3</sup>
Saturated and surface-dried	2.65 Mg/m <sup>3</sup>
Oven-dried	2.62 Mg/m <sup>3</sup>
<b>Cleanliness</b>	
Fines Content	f <sub>≤</sub> 1.5
Shell Content	N/A (Non marine source)
<b>Resistance to fragmentation/crushing</b>	LA <sub>30</sub>
<b>Composition/Content</b>	
Classification of coarse recycled aggregate	Non recycled material
Chlorides	<0.01%
Acid Soluble Sulfates	AS <sub>0,2</sub>
Total Sulfur	S <sub>0,1</sub>
Water Soluble Sulfate Content	SS <sub>0,1</sub>
Setting hardening	NPD
<b>Volume stability</b>	
Drying Shrinkage	≤0,075
<b>Water Absorption</b>	<2%
<b>Release of heavy metals</b>	NPD
<b>Release of polyaromatic carbons</b>	NPD
<b>Release of other dangerous substances</b>	NPD
<b>Durability against freeze-thaw</b>	NPD
<b>Magnesium Sulfate Soundness</b>	MS <sub>18</sub>
<b>Alkali Silica Reactivity</b>	Innocuous



**CERTIFICATE OF CONFORMITY OF THE FACTORY  
PRODUCTION CONTROL**

**0050 - CPR - 0758**

**System 2+**

In compliance with the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, it has been stated that the construction product:

**Aggregates in accordance with Annex ZA of the following:**

<b>I.S. EN 12620:2002 + A1:2008</b>	<b>Aggregates for concrete</b>
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Placed on the market by:

**Hanlon Concrete Products Ltd  
Lowtown  
Robertstown  
Naas  
Co. Kildare**

And produced in the factory:

**Hanlon Concrete Products Ltd  
Lowtown  
Robertstown  
Naas  
Co. Kildare**

is submitted by the manufacturer to the initial type-testing of the product and its factory production control and that the approved body – National Standards Authority of Ireland – has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

**This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standards listed above were applied.**

This certificate was first issued on 15/02/2018 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Signed:



Seán Balfe – Director of Sustainability & the Built Environment

**File no:** 1.129.089

**Approval Date:** 15/02/2018

**Last amended Date:** 16/12/2022

**Expiry Date:** 14/02/2024

Issued By : NSAI, 1 Swift Square, Northwood Business Park, Santry, Dublin 9.