



## Declaration of Performance

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

22

0050 - CPR - 1144

### Aggregate for use in Floor Screeds

*Table 1 – Product Type and identification:*

Name / Identification	Category to I.S. EN 13139:2002
Floor Screeds Sand (0/4 CP)	0/4 CP (Floor Screeds)

**Intended Use:** Aggregate for use in Floor Screeds.

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

**System of AVCP:** System 2+

**Harmonized Standards:**

- I.S. EN 13139:2002 - Aggregates for mortar
- S.R. 18:2021 - Guidance on the use of I.S. EN 13139:2002 - Aggregates for mortar

**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 13139:2002
Particle shape	NPD
Grading / Particle size	0/4 CP (Floor Screeds)
Fines content	$f_1$
Water Absorption	$\leq 2$
Particle Density	2.48 (Mg/m <sup>3</sup> ) (Apparent particle density)
Magnesium Sulfate Soundness	MS <sub>18</sub>
Acid-Soluble Sulfate Content	AS <sub>0.2</sub>
Total Sulfur (Ts)	$\leq 0.1$
Chloride ion content	<0.001
Fulvo acid content	Negative
Humus content	Negative

Signed: *Fergus O'Hara*.

Date: 15<sup>th</sup> September 2022

*Fergus O'Hara*

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**I.S. EN 13139:2002****Aggregate for use in Floor Screeds**

<b>Particle Shape</b>	NPD
<b>Particle Size</b>	0/4 CP (Floor screeds)
<b>Particle Density</b>	
Apparent particle density	2.52 Mg/m <sup>3</sup>
Saturated and surface-dried	2.49 Mg/m <sup>3</sup>
Oven-dried	2.48 Mg/m <sup>3</sup>
<b>Cleanliness</b>	
Fines Content	f <sub>1</sub>
Shell Content	N/A (Non marine source)
Methylene Blue	0.4 g/kg
Sand Equivalent	94
<b>Composition/Content</b>	
Chlorides	<0.01%
Acid Soluble Sulfates	AS <sub>0,2</sub>
Total Sulfur	S <sub>0,1</sub>
Setting hardening	NPD
Chloride ion content	<0.001
Fulvo acid content	Negative
Humus content	Negative
<b>Volume stability</b>	NPD
<b>Water Absorption</b>	<2%
<b>Emission of radioactivity</b>	NPD
<b>Release of heavy metals</b>	NPD
<b>Release of polyaromatic carbons</b>	NPD
<b>Release of other dangerous substances</b>	None detected
<b>Durability against freeze-thaw</b>	
Magnesium Sulfate Soundness	MS <sub>18</sub>
<b>Durability against alkali silica reactivity</b>	Innocuous



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

**0050 - CPR – 1144**

**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:**

I.S. EN 13139:2002	<i>Aggregates for mortar</i>
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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 17/02/2022 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: 1.147.012

Approval Date: 17/02/2022

Last amended Date: 17/02/2022

Expiry Date: 16/02/2023

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