



## Declaration of Performance

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

13

1029 - CPR – GB19/964094

### Precast Concrete Products – Hollow Core Slabs

*Table 1 – Product Type and identification:*

Name / Identification	Dimensions
Hollow core slabs (Prestressed)	Maximum standard width: 1200mm. Thickness: 150/200/250 [mm]. Custom lengths pending span and load analysis.

<b>Intended Use:</b>	Prestressed hollow core floors for use in buildings.
<b>Manufacturer:</b>	Hanlon Concrete Products Ltd. Lowtown, Roberstown, Naas, Co Kildare.
<b>System of AVCP:</b>	System 2+
<b>Harmonized Standards:</b>	<ul style="list-style-type: none"> <li>• I.S. EN 1168:2005+A3:2011 - Precast concrete products - Hollow core slabs</li> </ul>

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

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

Essential Characteristics	Performance to I.S. EN 1168:2005+A3:2011
Compressive strength of concrete	$f_{ck} = 50 \text{ N/mm}^2$
Compressive strength class of concrete	C40/50
Ultimate tensile strength of steel (prestressed)	$f_{yk} = 1860 \text{ N/mm}^2$
Tensile 0,1% proof-stress (prestressed)	$f_{yk} = 85.1 \text{ kN}$
Airborne Insulation (Acoustic Properties)	NPD
Mechanical Strength	For additional geometrical data, detailing, mechanical strength, resistance to fire and durability refer to Declaration Of Performance (DOP) and Technical Data Sheet.
Resistance to Fire	
Durability	

Signed: *Fergus O'Hara*.

*Fergus O'Hara*

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

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I.S. EN 1168:2005+A3:2011

**Precast Concrete Products – Hollow Core Slabs for use in buildings**

**Concrete:**

Compressive strength

$f_{ck} = 50 \text{ N/mm}^2$

Compressive strength class

C40/50

**Reinforcing Steel**

Ultimate tensile strength (prestressed)

$f_{pk} = 1860 \text{ N/mm}^2$

Tensile 0,1% proof-stress (prestressed)

$f_{p0.1k} = 85.1 \text{ kN}$

**Airborne Insulation (Acoustic Properties)**

NPD

**Mechanical Strength**

For additional geometrical data, detailing, mechanical

**Resistance to Fire**

strength, resistance to fire and durability refer to Declaration

**Durability**

Of Performance (DOP) and Technical Data Sheet.

## Certificate of Conformity of the Factory Production Control 1029 – CPR – GB19/964094

In compliance with **Regulation 305/2011/EU** of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

### Precast Concrete Hollow Core Slabs.

placed on the market under the name or trade mark of

#### **Hanlon Concrete Products Ltd**

Lowtown, Robertstown, Naas, Co. Kildare, IRELAND

and produced in the manufacturing plant

#### **Hanlon Concrete Products Ltd**

Lowtown, Robertstown, Naas, Co. Kildare, IRELAND

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

### **EN 1168:2005+A3:2011**

under system 2+ are applied and that

**the factory production control is assessed to be in conformity with the applicable requirements**

This certificate is valid from 24 August 2022 until 23 August 2025, and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body

Issue 2. Certified with SGS since 23 August 2013.

Authorised by



Luís Neves  
Certification Management



Luís Santos  
Certification Management

SGS ICS – Serviços Internacionais de Certificação, Lda Notified Body 1029

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