



**O'REILLY**  
— concrete —

**CE**

0120

O'Reilly Concrete, Larchfield, Kingscourt  
Co. Cavan  
Ireland

13

**GB13/89585**

EN 1168

Hollow core slabs for floors

**PRESTRESSED HOLLOW CORE SLAB (for floors)**

Concrete :

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

Reinforcing steel :

Ultimate tensile strength .....  $f_{tk} = 600 \text{ N/mm}^2$

Tensile yield strength .....  $f_{yk} = 500 \text{ N/mm}^2$

Prestressing steel :

Ultimate tensile strength .....  $f_{pk} = 1770 \text{ N/mm}^2$

Tensile 0,1% proof-stress .....  $f_{p0,1k} = 1557 \text{ N/mm}^2$


For geometrical data, detailing, mechanical strength,  
fire resistance, acoustic insulation parameters and  
durability see the design specifications

Design Specification : Precast Structures Design  
Specification

Order Code: To Clients order



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DECLARATION OF PERFORMANCE		
<i>Trade Name:</i>	O'Reilly Concrete	
<i>Place of Manufacture:</i>	Larchfield, Kingscourt, Co. Cavan	
<i>Product Type:</i>	PRESTRESSED HOLLOW CORE SLAB (for floors)	
<i>Unique Identification Code:</i>	HC - 250	
<i>Intended Use:</i>	Flooring and roofing for single and multi storey developments	
<i>System of Assessment:</i>	System 2+	
<i>Notified Certification Body:</i>	SGS UK Ltd Unit 202b Worle Parkway Weston-super-Mare Somerset BS22 6WA	
<i>Notified Body Number:</i>	0120	
DECLARED PERFORMANCE:		
<i>Essential Characteristics</i>	<i>Performance</i>	<i>Harmonised Technical Standard</i>
Compressive Strength	50N/mm <sup>2</sup>	EN 1168:2005
<i>Reinforcing Steel:</i>		
Ultimate tensile strength, $f_{tk}$	500N/mm <sup>2</sup>	
Tensile yield strength, $f_{yk}$	600N/mm <sup>2</sup>	
<i>Prestressing Steel:</i>		
Ultimate tensile strength, $f_{pk}$	1770N/mm <sup>2</sup>	
Tensile 0.1% proof-stress, $f_{p0.1k}$	1557N/mm <sup>2</sup>	
Mechanical Strength (by calculation)	Refer to Design Specification	
Resistance to fire (for load bearing capacity)	Refer to Design Specification	
Airbourne sound insulation and impact noise transmission	NPD	
Detailing	Refer to Detailed Drawings and technical documentation	
Durability	Refer to Design Specification	
Signed on Behalf of Manufacturer		FULL NAME: Barry O'Reilly
Position	Managing Director	20 August 2013