



O'REILLY
— concrete —

CE

0120

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

13

GB13/89585

EN 14992:2007+A1:2012

Wall Elements – Prestressed Walls
Load/Non Load Bearing Wall Element

Concrete :

Compressive strength f_{ck} = 50 N/mm²

Reinforcing steel :

Ultimate tensile strength f_{tk} = 600 N/mm²

Tensile yield strength f_{yk} = 500 N/mm²

Prestressing steel :

Ultimate tensile strength f_{pk} = 1770 N/mm²

Tensile 0,1% proof-stress $f_{p0,1k}$ = 1557 N/mm²

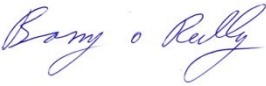
For geometrical data, tolerance class, detailing, mechanical strength, fire resistance, acoustic insulation parameters, thermal insulation parameters and durability see the design specifications

Design Specification : Precast Structures Design
Specification

Order Code: To client order



O'REILLY
— concrete —

| DECLARATION OF PERFORMANCE | | |
|--|---|--------------------------------------|
| <i>Trade Name:</i> | O'Reilly Concrete | |
| <i>Place of Manufacture:</i> | Larchfield, Kingscourt, Co. Cavan Ballyhoe, Carrickmacross, Co. Monaghan | |
| <i>Product Type:</i> | Wall Elements – Prestressed Walls | |
| <i>Unique Identification Code:</i> | PC – Prestressed Wall - 95 | |
| <i>Intended Use:</i> | Partition and agricultural walls – non load bearing | |
| <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 ² | EN 14992:2007 + A1:2012 |
| <i>Reinforcing Steel:</i> | | |
| Ultimate tensile strength, f_{tk} | 500N/mm ² | |
| Tensile yield strength, f_{yk} | 600N/mm ² | |
| <i>Prestressing Steel:</i> | | |
| Ultimate tensile strength, f_{pk} | 1770N/mm ² | |
| Tensile 0.1% proof-stress, $f_{p0.1k}$ | 1557N/mm ² | |
| Mechanical Strength (by calculation) | Refer to Design Specification | |
| Resistance to fire (for load bearing capacity) | Refer to Design Specification | |
| Reaction to fire | Class A.1 | |
| Acoustical insulation | NPD | |
| Thermal resistance | Refer to Design Specification | |
| 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 |