

# TEST REPORT

**Site Reference:** Northern Cross Dublin  
**FTAO:** Thainara Souza  
**Report Copies:** Denis O'Riordan  
 Diele Alencar  
 Elio Desouza  
 Yaleen Mistry



**Analysing**  
**Testing**  
**Consulting**  
**Calibrating**



**Client:** Glenbrier Construction  
 Dunmore Lodge  
 Hayes  
 Navan  
 Co. Meath

**BHP Reference:** 22/02/2069  
**Order Number:** NorthernCross01  
**Date Received:** 08/02/2022  
**Specified Grade:** Not Specified  
**Batch Reference:** 23446

**BHP**  
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## Compressive Strength EN 12390-2:2009, EN 12390-3:2009, EN 12390-4:2000 BS 1881-116:1983

Cube Ref	Client Ref	Dimensions (mm)			Method Note 1	Date Cast	Date of Test	Test Age (Days)	Mass (g)	Density (kg/m³)	Max Load (KN)	Compressive Strength (N/mm²)
		Length	Width	Height								
5	83A	150	150	150	B	31/01/2022	09/02/2022	9	7985	2340	863	38.4
Location: 2nd Floor Slab (10 - 20)(U - ZZ)												
6	83B	150	150	150	B	31/01/2022	09/02/2022	9	7929	2340	847	37.7
Location: 2nd Floor Slab (10 - 20)(U - ZZ)												
1	82A	150	150	150	B	31/01/2022	09/02/2022	9	8070	2370	761	33.9
Location: 1st Flr Walls W1 (30-39)(B)(39)(B-H)(31-32)(B-H)(41-49)(N-P)(35-41)(Z)(43-44)(Z)												
10	84A	150	148	150	B	02/02/2022	09/02/2022	7	7795	2300	726	32.7
Location: 1 Flr Walls (31-37)(G)(31-32)(H-N)(35-36)(U-Z)(36)(Z-DD)												

Note 1: Dimension/shape requirements: A = Meets EN 12390-1:2012; B = Meets EN 12390-3:2019 Annex B; C = Meets BS 1881-116:1983 (Withdrawn)

**Authorised By:**

Seamus O'Connell  
 Technical Manager

**Received conditions:**

Acceptable unless otherwise stated

**Curing conditions:**

Immersed in water at 20 +/- 2 Degrees Centigrade

**Moisture condition at test:**

Saturated if stored by BHP for more than three days

Moist if stored by BHP for less than three days

Volume determined to EN 12390-7 2019 Cl.5.5

Information required by Cl.6 of EN12390-2 is retained by BHP if supplied by the customer

**Date Issued** 09/02/2022

**Supplement to previous issue where applicable**

Test results relate only to this item. This test report shall not be duplicated except in full, without written approval of the laboratory

Information identifying the 'Site Reference', 'FTAO', 'Report Copies', 'Client', 'Order Number', 'Specified Grade', 'Location' and information regarding the supply of a 'Sampling Certificate' has been supplied by the customer

Where BHP have not taken the sample, it has been supplied by the customer. Sampling is outside the scope of accreditation