

## Mells Redi-Rock Retaining Wall System

1. *Unique identification code of the product type:*

**Precast concrete modular block retaining wall system**

2. *Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4) of the CPR:*

**Standard series of varying types (see individual product markings for size and manufactured date)**

3. *Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:*

**To retain ground excavations and earthfills subject to a surcharge load. Products to be used as elements in a modular gravity retaining wall.**

4. *Name and address of notified body:*

**British Board of Agreement, Bucknalls Lane, Watford, Herts, WD25 9BA**

5. *Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article 11(5):*

**Marshalls Civils & Drainage, Mells Road, Mells, Nr Frome, Somerset, BA11 3PD**

6. *Where applicable, name and contact address of the authorised representative whose mandate covers the task specified under Article 12(2):*

**Not applicable**

7. *System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:*

**Level 2+**

**BBA Certificate UK 0836-CPR-20/F485**

8. *In case of the declaration of performance concerning a construction product covered by a designated standard:*

**BS EN 15258:2008**

**9. Declared Performance:**

Essential characteristics	Performance	Harmonised technical specification
Compressive Strength	40N/mm <sup>2</sup>	EN 15258 cl 4.2.2.1
Ultimate tensile and tensile yield strength (of steel)	Unreinforced	
Mechanical Resistance (Method 2)	Properties only applicable to single modular blocks. Assessment for bending moment only applicable when used as part of a fully engineered installation  Material factor =1.5 Ultimate shear strength test per concrete dome = 70kN Ultimate shear strength for design = 46.6kN'	EN 15258 cl 4.3.3
Durability	Minimum cementitious content =380kg/m <sup>3</sup>  Water cement ratio ≤0.45  Max chloride content of 1% (unreinforced products)  Maximum cementitious alkali content 0.75% Na <sub>2</sub> O eq  Unreinforced	EN 15258 cl 4.3.7
Geometrical Data	Refer to Factory Documentation <a href="http://www.marshalls.co.uk/commercial/civils-and-drainage/redi-range">www.marshalls.co.uk/commercial/civils-and-drainage/redi-range</a>	EN 15258 cl 4.3.1
Detailing	Refer to Factory Documentation <a href="http://www.marshalls.co.uk/commercial/civils-and-drainage/redi-range">www.marshalls.co.uk/commercial/civils-and-drainage/redi-range</a>	EN 15258 cl 4.3.1 and Cl 8
Water Vapour Permeability	NA	EN 15258 cl 4.3

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, As it has effect in the United Kingdom” under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Simon Bourne  
Chief Operating Officer

Date: 19th July 2023  
Place of Issue: Elland, Halifax, UK

Version 3 Performance table updated to singular Modular blocks; BBA certificate number added.