

## 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+**

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

**BS EN 15258:2008**

**Not applicable**

**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)	Dependant on client specification with assessment for Complete Wall: Overturning, sliding and foundation bearing capacity Internal Stability: overturning, sliding Partial factor for materials: Concrete = 1.35 Test / Design value for dome shear strength = 119.41 / 88.45kN/m Maximum Design Shear Interface with Axial Compression = 164.56kN/m	EN 15258 cl 4.3.3
Detailing	Refer to Factory Documentation	EN 15258 cl 4.3.1
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
Water Vapour Permeability	NA	

**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  
Group Operation Director

Date: 12<sup>th</sup> July 2021  
Place of Issue: Elland, Halifax, UK