Marshalls Mono Ltd, Landscape House, Lowfields Business Park, Elland, West Yorkshire HX5 9HT Registered in England: 509579

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 harmonised 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 harmonised standard:*

   BS EN 15258:2008

9. *In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:*

   Not applicable

10. Declared Performance:

Essential characteristics	Performance	Harmonised technical specification
Compressive Strength	40N/mm^2	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^3 Water cement ratio ≤0.45 Max chloride content of 1% (unreinforced products) Maximum cementitious alkali content 0.75% Na_2O eq Unreinforced	EN 15258 cl 4.3.7
Water Vapour Permeability	NA	

10. 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 under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Simon Bourne
Group Operation Director

Date: 12th July 2021
Place of Issue: Elland, Halifax, UK

All EU Declarations were reissued from version 1 to be complimentary with our GB Declaration of Performance.
Version 2 Signatory changed