

## Declaration of Performance: MW-12



Marshalls Mono Ltd, Landscape House, Lowfields Business Park, Elland, West Yorkshire HX5 9HT

Registered in England: 509579

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

### **Precast Concrete**

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

### **Cromwell Walling**

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

### **Domestic and Commercial use in Walls, Columns and Partitions**

*4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):*

### **Marshalls, Brookfoot Works, Southowram, Halifax, West Yorkshire, HX3 9SY**

*5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):*

### **Not applicable**

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

### **System 2+**

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

### **BS EN 771-5:2011+A1**

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

### **0086-CPR-586567**

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### 9. Declared performance

Essential Requirement	Performance Value	Relevant Clause within EN 771-5:2011+A1
<b>Dimensions and Dimensional Tolerances</b>	D3 Length $\pm 3\text{mm}$ Width & Height $\pm 3\text{mm}$	Clauses 5.2.1 & 5.2.2 BSEN 771-5:2011
<b>Configuration of units</b>	Solid configuration without voids.	Clause 5.3.2 BSEN 771-5:2011
<b>Mean Compressive Strength Homogeneous Category 1 Units. Full Mortar Bed without voids.</b>	$>50.96\text{N/mm}^2$	Clause 5.5.1 BSEN 771-5:2011
<b>Dimensional Stability (Moisture Movement)</b>	0.52 mm/m	Clause 5.9 BSEN 771-5:2011
<b>Bond Strength</b>	Shear Bond Characteristic Tested $0.211\text{N/mm}^2$	Clause 5.12 BSEN 771-5:2011
	Flexural Bond Parallel Failure $0.17\text{N/mm}^2$ Mortar Designation iii	Clause 5.13 BSEN 771-5:2011
<b>Reaction to Fire</b>	Class A1	Clause 5.11 BSEN 771-5:2011
<b>Water Absorption by Capillarity</b>	$1.28\text{ g/m}^2$	Clause 5.11 BSEN 771-5:2011
<b>Water Vapour Permeability</b>	Fine Face Walling $5/10\mu$	Clause 5.10 BSEN 771-5:2011
	Ash Walling $50/150\mu$	
<b>Direct Airborne Sound Insulation</b>	Density $2340\text{Kg/m}^3$ Tolerance category D3	Clause 5.4 BSEN 771-5:2011
	Configuration	As above
	Dimension and tolerances	As Above
<b>Thermal Resistance Tabulated values BS EN 772-13</b>	$1.16\text{W/mk}$	Clause 5.6 BSEN 771-5:2011
<b>Durability against Freeze Thaw</b>	F2 to EN772-22	Clause 5.7 BSEN 771-5:2011

Where pursuant to Article 37 or 38 the Specific Technical Documentation has been used, the requirements with which the product complies:

**Not applicable**

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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:

A handwritten signature in black ink, appearing to read "Simon Bugeja".

Simon Bugeja

Date: 21<sup>st</sup> February 2020

Manufacturing Director MLP

Place of Issue: Elland, Halifax, UK

Version History: Version 7, February 2020, Issued due to new test data.

Version History: Version 7, February 2020, Issued due to new Director Sign off.