

## Declaration of Performance: SC-20

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:*

### **Natural Stone Products – Slabs of Cladding**

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

### **Sander Red**

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

### **Slabs of Natural Stone for cladding, external use for walling.**

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

**Marshalls, Landscape House, Premier Way, Lowfields Business Park, Elland, West Yorkshire HX5 9HT**

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 4**

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

### **BS EN 1469:2015**

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

### **Not applicable**

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### 9. Declared performance

Essential Characteristics	Performance	Relevant Clause of BS EN 1469:2015
<b>Petrographic</b>	Denomination: Dark red mainly fine grained, fresh well to very well compacted hard to very hard and robust	4.2.2
<b>Reaction to Fire</b>	Class A1 Without testing (see Decision 96/603/EC, as amended)	4.2.7
<b>Release of Dangerous Substances</b>	None	4.2.14.2
<b>Mechanical Resistance as Flexural Strength</b> (Mean, Lowest Expected Value, SD)	Mean <b>26.2 MPa</b>	4.2.4
	LEV <b>19.0 MPa</b>	
	SD <b>3.4</b>	
<b>Resistance to Fixing</b> (Mean, Lowest Expected Value, SD)	Mean <b>7800N</b>	4.2.5
	LEV <b>4670N</b>	
	SD <b>1790</b>	
<b>Durability of Flexural Strength against Freeze Thaw</b>	<b>33.4MPa</b> Mean value before freeze thaw	4.2.10.1
	<b>30.1MPa</b> Mean value after freeze thaw	
<b>Water Vapour Permeability</b>	<b>NPD</b>	4.2.12
<b>Thermal Shock Resistance</b>	<b>NPD</b> Change in porosity	4.2.10.2
	<b>3.3MPa</b> Change in Flexural strength	
<b>Thermal Resistance (mean value)</b>	<b>2550kg/m3</b>	4.2.9
<b>Direct Airbourne Sound Insulation</b>	<b>2550kg/m3</b>	4.2.12

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

### Not applicable

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:



Andrew Robinson  
Managing Director, Mineral Products

Date: 9<sup>th</sup> May 2018

Version history: updated version 3, to correct mechanical resistance as flexural strength figure