

Declaration of Performance for the building product:  
**MARMOX MultiBoard**

*In accordance with UK Construction Products Regulations: 2020*



This UK declaration of the performance of Marmox MultiBoard manufactured by Marmox-Egypt Ltd covers all essential characteristics required by BS-EN13164 as specified by EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (*Amendment etc.*) (*EU Exit*) Regulations 2019) and SI no. 1359/2020 (the Construction Products (*Amendment etc.*) (*EU Exit*) Regulations 2020.)

1. Unique Identification code of the product type.	<ul style="list-style-type: none"> <li>Marmox MultiBoard</li> </ul>
2. Type, batch or serial number or any other element allowing identification of the construction product	<ul style="list-style-type: none"> <li>Dimensions; various, Thickness: 4, 6, 10, 12.5, 20, 30, 40, 50, 80, 100mm</li> <li>Boards are labelled with batch code.</li> </ul>
3. Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer.	<ul style="list-style-type: none"> <li>Internal and external wall and floor insulation offering thermal insulation, resistance to the passage of water and decoupling underneath tiling, render and plaster.</li> <li>Lightweight tile backer board.</li> <li>Insulation board beneath electric under-tile heating.</li> </ul>
4. Name, registered trade name or registered trade mark and contact address of the manufacturer	<ul style="list-style-type: none"> <li>Marmox-Egypt Ltd, 319 El-Haram Street, Giza, EGYPT</li> <li>Tel: +202 338 60 172</li> <li>E-mail: <a href="mailto:info@marmoxegypt.com">info@marmoxegypt.com</a></li> </ul>
5. Name and contact address of the authorised representative whose mandate covers the tasks specified.	<ul style="list-style-type: none"> <li>Marmox UK Ltd, 101 Hopewell Drive, Chatham, Kent ENGLAND ME5 7NP</li> <li>Tel: 01634 835290</li> <li>E-mail: <a href="mailto:sales@marmox.co.uk">sales@marmox.co.uk</a></li> </ul>
6. System of Assessment and Verification of Constancy of Performance.	<ul style="list-style-type: none"> <li>AVCP 3</li> </ul>
7. Designated Technical Specification	<p><b>BS-EN13164: 2012 + A1:2015 Thermal insulation products for buildings - factory made extruded polystyrene foam products</b>  A Factory Production Control system is established, documented and maintained in accordance with AVCP System 3 as per Annex ZA.2 of this standard.</p> <p><b>UK Approved Bodies responsible for testing:</b>  BBA (0836), University of Salford (1145), BTTG (0338)</p>
8. In case of the DoP concerning a construction product for which a ETA has been issued	N/A

9. Declared performance:

Essential characteristics according to BS-EN13164: 2012 + A1:2015.			
Characteristic	Testing Notified Body	Performance assessed	Performance Level
<b>Reaction to Fire</b> (to BS-EN 13501-1: 2010)	BTTG, Leeds (0338)	Reaction to Fire according to BS EN 11925-2: 2020.	Class E
<b>Thermal Conductivity, <math>\lambda_{10/dry}</math></b>	University of Salford (1145)	$\lambda$ value (assessed on 20mm thick board)	0.036W/m.K
<b>Thermal Resistance, <math>R_D</math></b> (to BS-EN13164 & EN12667)	University of Salford (1145)	Declared R value, $d_s$	<b>4mm Marmox board</b> <sup>note 1</sup> (2mm XPS) = <b>0.06m<sup>2</sup>K/W</b> <b>6mm Marmox board</b> <sup>note 1</sup> (4mm XPS) = <b>0.12m<sup>2</sup>K/W</b> <b>10mm Marmox board</b> (8mm XPS) = <b>0.25m<sup>2</sup>K/W</b> <b>12.5mm Marmox board</b> (10.5mm XPS) = <b>0.33m<sup>2</sup>K/W</b> <b>20mm Marmox board</b> (18mm XPS) = <b>0.56m<sup>2</sup>K/W</b> <b>30mm Marmox board</b> (28mm XPS) = <b>0.87m<sup>2</sup>K/W</b> <b>40mm Marmox board</b> (38mm XPS) = <b>1.18m<sup>2</sup>K/W</b> <b>50mm Marmox board</b> (48mm XPS) = <b>1.50m<sup>2</sup>K/W</b> <b>60mm Marmox board</b> (58mm XPS) = <b>1.81m<sup>2</sup>K/W</b>
<b>Compressive Strength</b> (to BS-EN 826: 2013)	BB (0836)	At 10% deformation	CS(10/Y) 400
<b>Compressive Creep</b> (to BS-EN 1606: 1997)	BBA (0836)	Stress applied at 35% of declared level (assessed on 50mm thick board)	CC(2.5/1.5/10)161
<b>Water Permeability</b> (to BS-EN 12087: 2013)	BBA (0836)	Water Absorption (assessed on 30mm thick board)	WL(T) 3

**Note 1:** 4mm and 6mm Marmox boards are not covered by BS-EN13164 and therefore cannot be UKCA marked.

This DoP is issued under the responsibility of the manufacturer's UK representative, Marmox-UK Ltd and signed for and on behalf of the manufacturer by Mark Bowman, Technical Manager for Marmox UK + Ireland: 25<sup>th</sup> August 2021

