

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"> Marmox MultiBoard
2. Type, batch or serial number or any other element allowing identification of the construction product.	<ul style="list-style-type: none"> Dimensions; various, Thickness: 4, 6, 10, 12.5, 20, 30, 40, 50, 80, 100mm Sloping variant: 10 – 33mm Curved variant: 20mm Boards are labelled with batch code.
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"> Internal and external wall and floor insulation offering thermal insulation, resistance to the passage of water and decoupling underneath tiling, render and plaster. Lightweight tile backer board. Insulation board beneath electric under-tile heating.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer	<ul style="list-style-type: none"> Marmox-Egypt Ltd, 319 El-Haram Street, Giza, EGYPT Tel: +202 338 60 172 E-mail: info@marmoxegypt.com
5. Name and contact address of the authorised representative whose mandate covers the tasks specified.	<ul style="list-style-type: none"> Marmox UK Ltd, 101 Hopewell Drive, Chatham, Kent ENGLAND ME5 7NP Tel: 01634 835290 E-mail: sales@marmox.co.uk
6. System of Assessment and Verification of Constancy of Performance.	<ul style="list-style-type: none"> AVCP 3
7. Designated Technical Specification	<p>BS-EN13164: 2012 + A1:2015 Thermal insulation products for buildings - factory made extruded polystyrene foam products</p> <p>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>UK Approved Bodies responsible for testing: 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
Reaction to Fire (to BS-EN 13501-1: 2010)	BTTG, Leeds (0338)	Reaction to Fire according to BS EN 11925-2: 2020.	Class E
Thermal Conductivity, $\lambda_{10/\text{dry}}$	University of Salford (1145)	λ value (assessed on <u>20mm thick board: 18mm XPS @ 0.034W/mK and 2mm slurry @ 0.130W/mK</u>)	0.036W/m.K
Thermal Resistance, R_D (to BS-EN13164 & EN12667)	University of Salford (1145)	Declared R value, d_s	<u>4mm Marmox board</u> ^{note 1} (2mm XPS) = 0.06m²K/W <u>6mm Marmox board</u> ^{note 1} (4mm XPS) = 0.12m²K/W <u>10mm Marmox board</u> (8mm XPS) = 0.25m²K/W <u>12.5mm Marmox board</u> (10.5mm XPS) = 0.33m²K/W <u>20mm Marmox board</u> (18mm XPS) = 0.56m²K/W <u>30mm Marmox board</u> (28mm XPS) = 0.87m²K/W <u>40mm Marmox board</u> (38mm XPS) = 1.18m²K/W <u>50mm Marmox board</u> (48mm XPS) = 1.50m²K/W <u>60mm Marmox board</u> (58mm XPS) = 1.81m²K/W <u>Marmox Curved Board (20mm)</u> <u>Max = 18mm XPS = 0.56m²K/W</u> <u>Marmox Sloping Board (10-33mm)</u> <u>Min. = 8mm XPS = 0.25m²K/W</u>
Compressive Strength (to BS-EN 826: 2013)	BB (0836)	At 10% deformation	CS(10/Y) 400
Compressive Creep (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
Water Permeability (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: **25th August 2021**

