

## DECLARATION OF PERFORMANCE (DoP)

No. TWP-2211

accordingly to annex III of the Regulation (EU) No. 305/2011



**Tycroc OÜ**

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Tel: +372 44 27 543 info@tycroc.com

<p>1. Unique identification code/codes of the product-type/types:</p>	<p>TYCROC TWP; TYCROC FXL; TYCROC FXW; TYCROC ST; TYCROC STC, TYCROC STO; TYCROC STL; TYCROC BCH; TYCROC BCS; TYCROC SSB</p>
<p>2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):</p>	<p>Extruded polystyrene foam (xps) used for the thermal insulation of buildings. XPS-B2-Br.-Free-100%Virgin-HCFC/CFC Free</p>
<p>3. Intended use or uses of the Construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:</p>	<p>Extruded polystyrene foam (xps) used for the thermal insulation of buildings, waterproof building board for walls, ceilings and floors: EN 13164:2012</p>
<p>4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):</p>	<p>Tycroc OÜ Pirni 7, 10617 Tallinn, Estonia Tel: +372 44 27 543 info@tycroc.com</p>
<p>5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:</p>	<p>System 4</p>
<p>6. In case of the declaration of performance concerning a construction product covered by a harmonised standard:</p>	<p>Ente Certificazione Macchine, notified body No. NB1282. Harmonised standard: EN 13164:2012 Reference test report No. BS220830168-CPR</p>

7. Declared performances

Essential characteristics	Performance	Harmonised technical specification
Watertightness	Watertight	EN 1928
Water absorption under long-term immersion	1,1 vol. % WL(T)3	EN 12078 : 2013
Watertightness at penetrations	Passed	ETAG 022 Annex E
Joint-bridging ability	Passed	ETAG 022 Annex E
Water vapour resistance of 20mm board, Sd	1,2 m	EN 12086
Resistance to water vapour diffusion ( $\mu$ )	100	EN 12086
Density	36,9 kg/m <sup>3</sup>	EN 13164
Compressive stress	≥ 300 kPa Level CS (10/Y) 300	EN 826 : 2013
Tensile strenght perpendicular to faces	≥ 400 kPa Level TR400	EN 1607 : 2013
Thermal conductivity ( $\lambda$ )	0,036 W/(mK)	EN 13164
Bending moment capacity:		NS-EN 12089
12mm board	181 Nmm/mm	
20mm board	340 Nmm/mm	
The bending stiffness:		NS-EN 12089
12mm board	134 kNmm <sup>2</sup> /mm	
20mm board	399 kNmm <sup>2</sup> /mm	
Sound reduction index ( $R_w$ )	21 dB	ISO 717
Capillarity	0	
Temperature limits	-50°C / +75°C	
Fire behaviour classification	Class E	EN 13501-1

The performance of the product identified above is in conformity with the declared performance in point 7. This declaration of performance is issued, in accordance with annex III of the Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by:  
Tanel Tärna, CEO of Tycroc OÜ  
Tallinn, 22.11.2022

