

## DECLARATION OF PERFORMANCE (DoP)

**No. TWP-200220**

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



**Tycroc OÜ**

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<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>Trade mark: TYCROC Produced for and behalf of Tycroc OÜ by Xuancheng Jit New Materials Tech. Co., Ltd., No.22 Zhijiang Road, Zhouwangmiao Town, Haining City, Zhejiang Province, China</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 3. Factory Production Control</p>
<p>6. In case of the declaration of performance concerning a construction product covered by a harmonised standard:</p>	<p>URBAN INCERC, notified body number 1841 Harmonised standard: EN 13164:2012 Reference test report No. 668</p>

7. Declared performances

Essential characteristics	Performance	Harmonised technical specification
Water vapour permeability Sd	$\leq 2,6 \cdot 10^{-12} \text{ kg}/(\text{msPa})$	EN 12086
Water absorption under long-term immersion	< 0,2% vol.	ISO 2896
Watertightness	Watertight	EN 1928
Watertightness at penetrations	Passed	ETAG 022 Annex E
Resistance to water vapour diffusion ( $\mu$ )	100	EN 12086
Density	36,9 kg/m <sup>3</sup>	EN 13164
Compressive stress	$\geq 300 \text{ kPa}$ Level CS (10/Y) 300	EN 826 : 2013
Tensile strenght perpendic to faces	$\geq 400 \text{ kPa}$ Level TR400	EN 1607 : 2013
Thermal conductivity ( $\lambda$ )	0,034 W/(mK)	EN 13164
Joint-bridging ability	Passed	ETAG 022 Annex E
Bending moment capacity: 12mm board 20mm board	181 Nmm/mm 340 Nmm/mm	NS-EN 12089
The bending stiffness: 12mm board 20mm board	134 kNmm <sup>2</sup> /mm 399 kNmm <sup>2</sup> /mm	NS-EN 12089
Sound reduction index ( R <sub>w</sub> )	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, 20.02.2020

