

# Declaration of Performance

## Thermomur® 450

- 1. Unique identification code of the product-type:** SE-TH450-CPR-01
- 2. Type, batch or serial number:** Thermomur® 450
- 3. Intended use or uses of the construction product:** Non load-bearing permanent shuttering system based on shuttering elements of EPS.
- 4. Name and contact address of the manufacturer:** BEWI Insulation Norge AS, Box 1410, 1602 Fredrikstad
- 5. Where applicable, name and contact address of the authorised representative:**
- 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:** AVCP System 2+
- 7. Notified Testing Laboratory and tasks performed:** ETA Denmark has issued ETA - 13/0614 based on ETAG 009

8. Essential characteristics (ETAG 009)	Performance	Note
Thermal conductivity	$\lambda_D = 0,035 \text{ W/mK}$	EN 12667
Compressive stress at 10 % deformation	150 kPa	ISO 29469 :2022
Bending strength	200 kPa	EN 13163 Jf. annex C*
Fire resistance	REI 90 (a) EI 90 (a)	ETAG 009, annex C
Fire class (Reaction to fire)	NPD (previous class F)	EN 13501-1
Water vapour permeability	$\mu=60 \text{ (c)}$	EN 12524
Efficiency of filling	Satisfactory	EAD 17-34-0309; 2.2.3
Possibility of steel reinforcement	Satisfactory	EAD 17-34-0309; 2.2.3
Resistance to filling pressure	Satisfactory	EAD 17-34-0309; 2.2.11
Safety against personal injury by contact	Satisfactory	EAD 17-34-0309; 2.2.11
Protection against deterioration caused by: - Physical agents - Chemical agents - Biological agents	Satisfactory	EAD 17-34-0309; 2.2.17
Resistance to damage during normal use: - Normal use impacts - Incorporation of ducts - Fixing of objects	Satisfactory	EAD 17-34-0309; 2.2.17
Structural pattern	Continuous type concrete walls	ETAG 009, 2.2
Release of dangerous substances	No dangerous substances	EOTA TR034, §2.1
Airborne sound insulation	NPD (b)	-
Sustainable use of natural resources	NPD	-
Sound absorption	NPD	-
Water absorption	NPD	-
Watertightness	NPD	-
Thermal inertia	NPD	-

(a) With minimum concrete strength of C 20/25 and a concrete thickness of 150 mm. The resistance are valid only for walls without openings.

(b) EPS products have no significant airborne sound absorption properties.

(c) Only applicable to EPS - The tabulated design value of the water vapor diffusion resistance coefficient of expanded polystyrene (EPS) according to EN 12524 is  $\mu = 60$ .

**9. The performance of the product listed above is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer, as noted above.**

Signed for and behalf of the manufacturer by:



Ahmad Nazal, coordinator QHSE  
Skövde, 2024.03.07