

DECLARATION OF PERFORMANCE

no. 16/TT/2016

1. Unique identification code of the product-type:
TERMALICA TPO 4.0-600 wall slab
2. Grade, type or batch allowing identification of the product:
Slab thickness, dimensions and identification data are placed on the product label.
3. Intended use or uses:
Termalica non-load-bearing wall slabs, reinforced, are intended for erecting external and internal walls in industrial, retail and commercial buildings in applications where the declared technical parameters of the product are sufficient. They are fixed to the load-bearing structure of the building made of prefabricated steel or reinforced concrete columns and girts.
4. Manufacturer:
**BRUK-BET Sp. z o.o.
Nieciecza 199, 33-240 Żabno
Manufacturing plant: Tarnów, ul. Mroźna 18**
5. System of assessment and verification of constancy of performance:
System 4
6. Harmonized standard:
EN 12602:2008+A1:2013 - Prefabricated Reinforced Components of Autoclaved Aerated Concrete.
7. Declared performance:

Essential properties		Slab thickness (cm)				
		15	17,5	20	24	30
Compressive strength (of concrete)	MPa	4.0				
Density	kg/m ³	575±20				
Water vapour permeability	-	5/10				
Tensile strength (of steel)	MPa	550				
Yield point (of steel)	MPa	500				
Load-bearing capacity (max designed wind load)	kN/m ²	1.51	1.59	2.09	3.00	4.28
Designed bending strength	kNm	8.0	8.7	10.6	13.7	14.4
Designed shear strength	kN	8.2	9.2	10.9	13.5	15.5
Dimensional tolerance class of components	-	T2				
Drying shrinkage	mm/m	≤ 0.2				
Reaction to fire	-	Euroclass A1				
Fire resistance	-	EI 240	EI 360			
Thermal transmittance U	W/m ² K	0.81	0.704	0.625	0.53	0.44
Release of hazardous substances	-	None				
Calculation method	Statistical and strength calculations of AAC wall slabs in Termalica system. Wind resistance calculations according to European standards.					

The performance of the aforementioned product is compliant with the declared performance.
 This performance declaration was issued pursuant to Regulation (EU) no. 305/2011 under the sole responsibility of the aforementioned manufacturer.

Signed on behalf of the manufacturer by: Adam Liro - Factory Production Control Proxy

Nieciecza, 1st August 2016

(date and place of issue)

PEŁNOMOCNIK ds. ZAKŁADOWEJ
KONTROLI PRODUKCJI

mgr inż. Adam Liro

(signature)