

## DECLARATION OF PERFORMANCE

### no. 70/BKTA/2019

1. Unique identification code of the product-type:  
**TERMALICA TPO wall panel 4.0-600**
2. Intended use or uses:  
**Termalica non-load-bearing wall panels, reinforced, are intended for erecting external and internal walls in industrial, retail and commercial buildings for applications, in which 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.**
3. Manufacturer:  
**BRUK-BET Sp. z o.o.**  
**Nieciecza 199, 33-240 Żabno**
4. System of assessment and verification of constancy of performance:  
**System 4**
5. Harmonized standard:  
**EN 12602:2008+A1:2013 - Prefabricated Reinforced Components of Autoclaved Aerated Concrete.**
6. Declared performance:

Essential properties		Panel thickness (cm)				
		15	17.5	20	24	30
Compressive strength of concrete	MPa	4.0				
Density	kg/m <sup>3</sup>	575±25				
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 <sup>2</sup>	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			
Heat transfer coefficient U	W/m <sup>2</sup> K	0.81	0.704	0.625	0.53	0.44
Release of hazardous substances	-	None				

**Other parameters:**

Strength calculation method:	Statistical and strength calculations of AAC wall panels in Termalica system. Wind resistance calculations according to European standards. F.U. PROKONBUD – Cracow, June 2011
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The performance of the aforementioned product is compliant with the declared performance.

This declaration of performance was issued pursuant to Regulation (EU) no. 305/2011 under the sole responsibility of the aforementioned manufacturer.

Signed on behalf of the manufacturer by: Jerzy Kras, Quality Representative

Nieciecza, 01.06.2019

(date and place of issue)

PEŁNOMOCNIK ds. JAKOŚCI

*Jerzy Kras*  
Jerzy Kras  
(signature)