

## DECLARATION OF PERFORMANCE

### no. 55/T/2018

1. Unique identification code of the product-type:  
**TERMALICA TPD 4.0-600 roofing slab**
2. Intended use or uses:  
**Termalica roofing slabs, reinforced, of autoclaved aerated concrete are intended for construction roofs in residential, industrial and public utility buildings, in applications where the declared technical parameters of the product are sufficient, according to the design taking into account the declared performance.**
3. Manufacturer:  
**BRUK-BET Sp. z o.o.  
Niecieza 199, 33-240 Żabno**
4. System of assessment and verification of constancy of performance:  
**System 2+**
5. Harmonized standard:  
**EN 12602:2008+A1:2013 - Prefabricated Reinforced Components of Autoclaved Aerated Concrete.**  
Notified body or bodies:  
**Technicky A Skusobny Ustav Stavebny n.o.  
Studena 3, 821 04 Bratislava, Slovak Republic  
Notified body - No. 1301**
6. Declared performance:

Essential properties		Performance
Slab thickness	cm	24
Compressive strength (of concrete)	MPa	5,2
Density	kg/m <sup>3</sup>	575±20
Water vapour permeability	-	5/10
Tensile strength (of steel)	MPa	550
Yield point (of steel)	MPa	500
Load-bearing capacity (over dead weight) with min support of 90mm	kN/m <sup>2</sup>	4.25
Dimensional tolerance class of components	-	T2
Drying shrinkage	mm/m	≤ 0.2
Resistance to freezing/thawing	-	Frost-resistant product after 15 cycles of freezing and thawing
Durability - corrosion resistance		Anti-corrosion coating on reinforcement bars, average coating thickness 266.4 μm
Reaction to fire	-	Euroclass A1
Fire resistance	-	REI 120
Thermal transmittance U	W/m <sup>2</sup> K	0.14
Release of hazardous substances	-	None
Calculation method	Statistical and strength calculations of AAC flooring slabs in Termalica system. Calculations acc. to Eurocodes - F.U. PROKONBUD- Krakow, December 2010- January 2011.	

Performance of the aforementioned product is compliant with the declared performance.  
This declaration of performance was issued according to Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer specified above.

Signed on behalf of the manufacturer by: Jerzy Kras - Factory Production Control Proxy

Niecieza, 20 January 2018

(date and place of issue)

PEŁNOMOCNIK ds. JAKOŚCI  
  
 Jerzy Kras

(signature)