

DECLARATION OF PERFORMANCE

no. 71/BKTA/2019

1. Unique identification code of the product-type:
TERMALICA TPS flooring slab 4.0-600
2. Intended use or uses:
Termalica flooring slabs, reinforced, of autoclaved aerated concrete are intended for making ceilings 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
Notified body or bodies:
Notified body - No. 1301
6. Declared performance:

Essential properties		Performance
Slab thickness	cm	24
Average compressive strength of concrete	MPa	4.0
Density	kg/m ³	575±25
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 ²	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
Heat transfer coefficient U	W/m ² K	0.58
Release of hazardous substances	-	None

Other parameters:

Strength calculation method:	Statistical and strength calculations of AAC flooring slabs in Termalica system. Calculations acc. to Eurocodes. F.U. PROKONBUD – Cracow, December 2010 - January 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

Niecieza, 01.06.2019

(date and place of issue)

PEŁNOMOCNIK ds. JAKOŚCI

Jerzy Kras
Jerzy Kras

(signature)