DECLARATION OF PERFORMANCE
no. 64/BKTA/2019

1. Unique identification code of the product-type:
   TERMALICA TN U-block 2.5/400
2. Intended use or uses:
   Autoclaved aerated concrete elements intended for use in masonry walls, columns and partition walls.
3. Manufacturer:
   BRUK-BET Sp. z o.o.
   Nieciecza 199, 33-240 Żabno
4. System of assessment and verification of constancy of performance:
   System 2+
5. Harmonized standard:
   EN 771-4:2011+A1:2015
   Notified body or bodies:
   Notified body - No. 1301
6. Declared performance:

Essential properties	Performance	
Dimensions and dimensional deviations	Length (mm): 599 Width (mm): 300, 365,400,480 Height (mm): 249 Deviations: TLMB category - length ± 1.5 mm - width ± 1.5 mm - height ± 1.0 mm Flatness and parallelism of supporting surface up to 1.0 mm	
Shape and structure	Cubical element, with U-shaped cut-out section, intended for making ring beams, vertical and horizontal fillings of reinforced concrete and for reinforcement of walls, with smooth face surfaces.	
Compressive strength	Category I	
	Average compressive strength 2.5 N/mm^2	
	Type of sample - Cut cube	
	Direction of loading - perpendicularly to supporting surface	
Dimensional stability	Value of expansion/shrinkage under moisture in mm/m ≤0.2 mm/m	
Joint strength	Shear strength of wall joint made of thin joint mortar, declared value (determined acc. to EN 998-2) 0.30 N/mm^2	
	Bending strength of wall joint in a plane parallel to bed joints (f_{xk1}) f_m<5MPa – 0.05 N/mm^2 (values determined acc. to EN 1996-1-1)	
	Bending strength of wall joint in a plane perpendicular to bed joints (f_{xk2}) f_m<5MPa – 0.2 N/mm^2 (values determined acc. to EN 1996-1-1)	
Reaction to fire	Euroclass A1	
Water vapour permeability	5/10 (value determined based on EN 1745)	
Water absorption	NPD	
Direct airborne sound insulation	Gross dry density and category of deviations kg/m^3	375±25 kg/m^3
	Shape and structure	as above
	Dimensions and deviations	as above
Thermal resistance	Thermal properties; average declared value, thermal conductivity coefficient	0.09 W/(m K) (value determined based on EN 1745)
Resistance to freezing/thawing	Durability	Frost-resistant product after 15 cycles
Hazardous substances	None	

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

PEŁNOMOCNIK ds. JAKOŚCI
Kras Jerzy

Nieciecza, 01.06.2019

(date and place of issue)

Jerzy Kras
(signature)