

DECLARATION OF PERFORMANCE

No. 51/T/2018

1. Unique identification code of the product-type:
TERMALICA BN lintel beam
2. Intended use or uses:
This product is intended for covering holes in walls and partitions.
3. Manufacturer:
**BRUK-BET Sp. z o.o.
Niecieza 199, 33-240 Żabno**
4. System of assessment and verification of constancy of performance:
System 3
5. Harmonized standard:
EN 845-2:2013 – “Specification for ancillary components for masonry” - Part 2: Lintels.
6. Declared performance:

Essential properties		BN 120/12	BN 140/12	BN 170/12	BN 200/12	BN 230/12	
Load bearing capacity over dead weight	kN/m	12,6	9,2	7,3	5,5	4,4	
Max deflection under load	mm	2.0	2.0	2.0	2.0	3.0	
Weight per unit of cross section	kg/m ²	107,0	103,4	99,2	100,4	99,5	
Water absorption	after 10 minutes	g/m ² x s _{0,5}					142
	after 30 minutes						130
	after 90 minutes						120
Water vapour permeability (determined acc. to EN 1745)	-	5/10					
Durability (determined acc. to EN 1745)	-	Frost-resistant product after 15 cycles of freezing and thawing					
Durability of corrosion protection	-	Corrosion-resistant coating on reinforcement bars, average thickness of coating 266.4 μm					
Declared heat conductivity λ _{D10}	W/mK	0.14					
Reaction to fire	-	Euroclass A1					
Hazardous substances	-	None					

7. Other parameters.

		BN 120/12	BN 140/12	BN 170/12	BN 200/12	BN 230/12	
Min end bearing length	mm	200	200	250	250	250	
Width of covered hole	mm	800	1000	1200	1500	1800	
Weight	kg	30,7	34,6	40,3	48	54,7	
Length	mm	1200	1400	1700	2000	2300	
Width	mm	120	120	120	120	120	
Height	mm	239	239	239	239	239	
Dimensional tolerance	Length	mm					+/- 15
	Width						+/- 5
	Height						+/- 5

Performance of the aforementioned product is compliant with the declared performance.

This declaration of performance is 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 of January 2018

(date and place of issue)

PEŁNOMOCNIK ds. JAKOŚCI

 Jerzy Kras

(signature)