

DECLARATION OF PERFORMANCE

No. 49/T/2018

1. Unique identification code of the product-type:
TERMALICA TNN 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.
Nieciecza 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		TNN 120/12	TNN 140/12	TNN 170/12	TNN 200/12	TNN 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	107.1	103.2	99.2	100.4	99.5
		TNN 120/15	TNN 140/15	TNN 170/15	TNN 200/15	TNN 230/15
Load bearing capacity over dead weight	kN/m	15.7	11.6	9.1	6.9	5.5
Max deflection under load	mm	2.0	2.0	2.0	2.0	3.0
Weight per unit of cross section	kg/m ²	127.7	126.7	125.2	132.5	132.7
		TNN 120/20	TNN 140/20	TNN 170/20	TNN 200/20	TNN 230/20
Load bearing capacity over dead weight	kN/m	21	15.5	12.2	9.2	7.3
Max deflection under load	mm	2.0	2.0	2.0	2.0	3.0
Weight per unit of cross section	kg/m ²	164	163.5	163	166.6	167.6
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.

		TNN 120/12	TNN 140/12	TNN 170/12	TNN 200/12	TNN 230/12
Min end bearing length	mm	200	200	250	250	250
Width of covered hole	mm	800	1000	1200	1500	1800
Weight	kg	32	36	42	50	57
Length	mm	1200	1400	1700	2000	2300
Width	mm	120	120	120	120	120
Height	mm	249	249	249	249	249

		TNN 120/15	TNN 140/15	TNN 170/15	TNN 200/15	TNN 230/15
Min end bearing length	mm	200	200	250	250	250
Width of covered hole	mm	800	1000	1200	1500	1800
Weight	kg	38	44	53	66	76
Length	mm	1200	1400	1700	2000	2300
Width	mm	150	150	150	150	150
Height	mm	249	249	249	249	249
		TNN 120/20	TNN 140/20	TNN 170/20	TNN 200/20	TNN 230/20
Min end bearing length	mm	200	200	250	250	250
Width of covered hole	mm	800	1000	1200	1500	1800
Weight	kg	49	57	69	83	96
Length	mm	1200	1400	1700	2000	2300
Width	mm	200	200	200	200	200
Height	mm	249	249	249	249	249
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

Nieciecza, 20 of January 2018

(date and place of issue)

PEŁNOMOCNIK ds. JAKOŚCI

 Jerzy Kras

(signature)