

## DECLARATION OF PERFORMANCE

### No. 32/T/2017

1. Unique identification code of the product-type:  
**TERMALICA TND 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                                      |                   | TND<br>120/10   | TND<br>140/10 | TND<br>170/10 | TND<br>200/10 |
|---|-------------------|---|---------------|---------------|---------------|
| Load bearing capacity over dead weight                    | kN/m              | 2.0   | 2.0           | 2.0           | 2.0           |
| Max deflection under load                                 | mm                | 1.0   | 2.0           | 2.0           | 2.0           |
| Weight per unit of cross section                          | kg/m <sup>2</sup> | 87  | 86            | 82.7          | 82.3          |
| Water absorption  | after 10 minutes  | g/dm <sup>2</sup>   | 56            |               |               |
|   | after 30 minutes  |   | 82            |               |               |
|   | after 90 minutes  |   | 129           |               |               |
| Water vapour permeability<br>(determined acc. to EN 1745) | -                 | 5/10  |               |               |               |
| Durability<br>(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,<br>average thickness of coating 266.4 μm |               |               |               |
| Declared heat conductivity λ <sub>D10</sub>               | W/mK              | 0.14  |               |               |               |
| Reaction to fire  | -                 | Euroclass A1  |               |               |               |
| Hazardous substances                                      | -                 | None  |               |               |               |

7. Other parameters.

|                        |        | TND<br>120/10 | TND<br>140/10 | TND<br>170/10 | TND<br>200/10 |
|------------------------|--------|---------------|---------------|---------------|---------------|
| Min end bearing length | mm     | 200           | 200           | 250           | 250           |
| Width of covered hole  | mm     | 800           | 1000          | 1200          | 1500          |
| Weight                 | kg     | 26            | 30            | 35            | 41            |
| Length                 | mm     | 1200          | 1400          | 1700          | 2000          |
| Width                  | mm     | 100           | 100           | 100           | 100           |
| Height                 | mm     | 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 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: Adam Liro - Factory Production Control Proxy

Nieciecza, 20 of February 2017

(date and place of issue)

PEŁNOMOCNIK ds. ZAKŁADOWEJ  
KONTROLI PRODUKCJI

*mgr inż. Adam Liro*

(signature)