

DECLARATION OF PERFORMANCE

No. 14/TT/2016

1. Unique identification code of the product-type:
TERMALICA T 4,0/600 tile
2. Grade, type or batch allowing identification of the product:
Dimensions, design features and identification data are placed on the product label.
3. Intended use or uses:
Autoclaved aerated concrete masonry units, Category I, intended for insulation and cladding of reinforced concrete components, partition walls, cladding of bath tubs, building of shelves, etc.
4. Manufacturer:
BRUK-BET Sp. z o.o.
Nieciecza 199, 33-240 Żabno
Production plant: Tarnów, ul. Mroźna 18
5. System of assessment and verification of constancy of performance:
System 2+
6. Harmonized standard:
EN 771-4:2011 – Specification for masonry units.
Part 4: Autoclaved aerated concrete masonry units.

Notified body or bodies:

Technický A Skusobný Ústav Stavebný n.o.
Studena 3, 821 04 Bratislava, Slovak Republic
Notified body - No. 1301

7. Declared performance:

| Essential properties | |
|---|---|
| Dimensions and dimensional deviations | Length (mm): 599 Width (mm): 50, 75, 100 Height (mm): 199, 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 | Cuboid with smooth face surfaces. |
| Average declared value of compressive strength | 4.0 N/mm ² (parallel to supporting surface) |
| Declared value of expansion/contraction due to humidity | ≤ 0.2 mm/m |
| Shear strength of joint made of thin joint mortar | 0.30 N/mm ² (value determined acc. to EN 998-2) |
| Declared characteristic bending strength of joint made of thin joint mortar | - in a plane that is parallel to supporting joints (f_{xk1}) – 0.14 N/mm ² - in a plane that is perpendicular to supporting joints (f_{xk2}) – 0.10 N/mm ² (values determined acc. to EN 1996-1-1) |
| Reaction to fire | Euroclass A1 |

| Essential properties | |
|---|--|
| Declared water absorption coefficient | - after 10 minutes – 56 g/dm ² - after 30 minutes – 82 g/dm ² - after 90 minutes – 129 g/dm ² |
| Declared coefficient of water vapour diffusion | 5/10 (value determined based on EN 1745) |
| Declared value of gross density | 575±20 kg/m ³ |
| Declared thermal conductivity coefficient λ_{D10} , dry matter, S2 | 0.14 W/mK (value determined based on EN 1745) |
| Durability | Frost-resistant product after 15 cycles of freezing and thawing |
| Hazardous substances | None |

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

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(name and position)

Nieciecza, 10th June 2016

.....
(date and place of issue)

PEŁNOMOCNIK ds. ZAKŁADOWEJ
KONTROLI PRODUKCJI


mgr inż. Adam Liro

.....
(signature)