TECHNICAL DETAILS

**PROPERTIES** | **UNIT** | **VALUE**
--- | --- | ---
Thermal conductivity (λ) | W/(mK) | 0.019
Design Value (λ_{0}) | W/(mK) | 0.020
Standard dimension | mm | 1000 x 600
Board thickness | mm | 20, 25, 30, 40, 50, 1, 2
Bulk density | kg/m³ | 165
Vapor diffusion resistance (μ) | | 5
Water absorption | kg/m³ | ≤ 0.1
Moisture absorption | mass % | ≤ 1.0
Compression strength | kPa | ≥ 90
Elastic recovery / recovery reversible | % | ≤ 10
Color | | gray

**APPROVALS AND CERTIFICATES**

**CALOSTAT®**

- DIN EN 13501: Construction material class A2-s1, d0 (non-combustible)
- DIN 4102: Construction material class A (non-combustible)
- European Technical Assessment (ETA): 16/0587
- DIBt approval: Z-23.11-1926: DI, DEO (dg), DAD, DAA, WI and WAB as specified in DIN 4108-10
- DIBt approval: Z-23.12-1977: Cavity wall insulation
- ASTM E 84: Surface Burning Characteristics: Class 1 or A (Flame Spread Index (FSI): 0 / Smoke Development Index (SDI): 5)

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**APPROVALS AND CERTIFICATES**

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- DIBt approval: Z-23.11-1926: DI, DEO (dg), DAD, DAA, WI and WAB as specified in DIN 4108-10
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CALOSTAT®
Efficient, safe and sustainable

CALOSTAT® is the efficient, safe and sustainable insulation material from Evonik. It combines fire protection with the best insulation values. It is recyclable, very durable, free of toxic substances and does not absorb liquid water.

- Pitched roofs
- Dormers
- Balconies / terraces / flat roofs
- Facades
- Doors / windows
- Roller-shutter or venetian blind boxes / reveals / building elements
- Interior insulation
- Ceilings of basements or underground garages

\[ \lambda = 0.019 \text{ W/(mK)} \]

A2-s1, d0
Recyclable
Core hydrophobic
Vapor diffusion open