

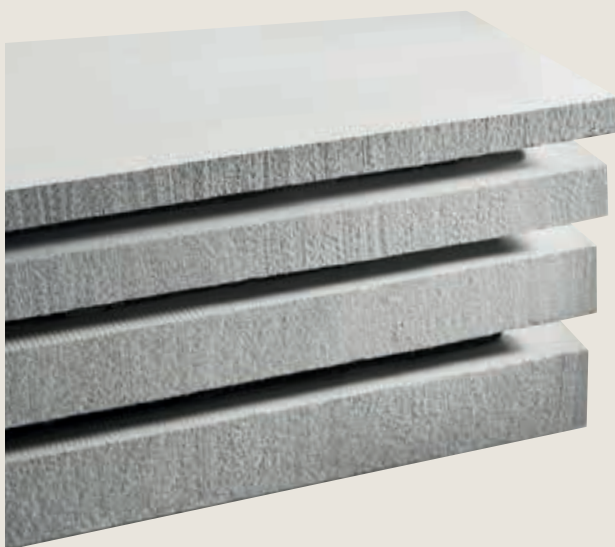
Product information

CALOSTAT® Pure


NON-COMBUSTIBLE HIGH PERFORMANCE THERMAL INSULATION BOARD

**CHARACTERISTIC PHYSICO
TECHNICAL DATA**

| PROPERTIES | UNIT | VALUE |
|---|-------------------|-------------------------------|
| Thermal conductivity (λ) | W/(mK) | 0.019 |
| Design Value (λ_D) | W/(mK) | 0.020 |
| Standard dimension | mm | 1,000 x 600 |
| Board thickness | mm | 20, 25, 30, 40, 50, 1 inch |
| Bulk density | kg/m ³ | 165 |
| Vapor diffusion resistance (μ) | | 5 |
| Water absorption | kg/m ² | ≤ 0.1 |
| Moisture absorption | M-% | ≤ 1.0 |
| Compression strength | kPa | ≥ 90 |
| Elastic recovery / recovery reversible | % | ≤ 10 |
| Color | | gray |



APPROVALS AND REGISTRATIONS

| 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  |
| ASTM E 84 | Surface Burning Characteristics: Class 1 or A (Flame Spread Index (FSI): 0 / Smoke Development Index (SDI): 5) |

APPLICATION AND PROPERTIES

CALOSTAT® is a mineral product based on silicon dioxide.

CALOSTAT® is a mineral high performance thermal insulation board, designed for building applications such as facade elements, concrete sandwich elements, cavity wall insulation, flat roofs, roof tops or doors and windows as well as to optimize technical building components.

CALOSTAT® integrates outstanding thermal insulation and superior fire protection in one panel. The material does not contain any biocides, binding material or flame inhibitors.

CALOSTAT® Pure

PROPERTIES



- Excellent thermal insulation



- Vapor open



- Hydrophobic
- No thermal conductivity via water



- Purely mineral product



- Non-combustible



- Recyclable



STANDARD PALLETS CALOSTAT®

| Board Thickness [mm] | Boards per Pallet [Number of Boards] | Area per pallet [m ²] | Volume per pallet [m ³] |
|----------------------|--------------------------------------|-----------------------------------|-------------------------------------|
| 20 | 48 | 28.8 | 0.576 |
| 25 | 38 | 22.8 | 0.570 |
| 30 | 32 | 19.2 | 0.576 |
| 40 | 24 | 14.1 | 0.576 |
| 50 | 19 | 11.4 | 0.570 |

DELIVERY MODE

CALOSTAT® Pure is available in the standard dimensions 600 X 1,000 mm and with thickness of 20, 25, 30, 40, and 50 mm. Other dimensions are possible on request.

SAFETY AND HANDLING

Information concerning the health and safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Resource Efficiency GmbH, Product Safety Department, email: sds-hu@evonik.com.



CALOSTAT® is awarded with the Cradle to Cradle certificate at gold level by the Products Innovation Institute.



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