

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 at 10% deformation	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 
ASTM E 84	Surface Burning Characteristics: Class 1 or A (Flame Spread Index (FSI): 0 / Smoke Development Index (SDI): 5)
Marine (IMO) Certificate	Certificate No. 107.109: Compliance with fire protection requirements of Marine Equipment Directive (MED) 2014/90/EU

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	14.4	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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EVONIK RESOURCE EFFICIENCY GMBH

Thermal Insulation
 HPC 885-082
 Rodenbacher Chaussee 4
 63457 Hanau-Wolfgang
 Phone +49 6181 59-5200
 Fax +49 6181 59-75200

calostat@evonik.com
www.calostat.de