

Product information

CALOSTAT® Pad

HIGH-PERFORMANCE THERMAL INSULATION BOARD WITH CALOSTAT® PURE AS CORE MATERIAL

CALOSTAT® Pad is an insulation material with a core of CALOSTAT® Pure sewed and grouted in woven fiber glass.

PHYSICAL AND TECHNICAL DATA

PROPERTY		CALOSTAT® Pad
Fire behavior		A2 -s1, d0, non-combustible <i>(as specified in DIN EN 13501-1)</i>
Thermal conductivity (λ)	W/(mK)	0.019
Design value (λ_D)	W/(mK)	0.020*
Standard dimensions	mm	1000 x 600
Board thickness	mm	10, 20, 25, 30, 40, 50
Bulk density	kg/m ³	170
Vapor diffusion resistance (μ)		5*
Water absorption	kg/m ²	≤0.1 in the core*
Compression strength at 10% deformation	kPa	≥ 90
Tensile strength	kPa	≥ 1
APPROVAL		applied for

* Testing started under building supervisory approval process



APPLICATIONS

CALOSTAT® Pad is a mineral high-performance thermal insulation board for building applications such as façade elements, curtain wall façades, flat roofs, terraces, building elements, ceilings for underground parking lots and basements, as well as for the optimization of technical building equipment. CALOSTAT® Pad should ideally be installed with two layers.

CALOSTAT® Pad

PROPERTIES



- Very good insulation value for efficient insulation



- Vapor permeable



- Hydrophobic core material
- Water repellent covering layer



- Mineral insulation material



- Non-combustible



- Recycling possible



STANDARD PALLET CALOSTAT® PAD

Board thickness mm	Boards per pallet pieces	Area per pallet m ²	Volume per pallet m ³
10	96	57.6	0.576
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

HANDLING



CALOSTAT® Pad can be cut quickly and easily to the desired dimensions using a cutter or a knife for insulating materials.



We recommend the use of a saw blade with the smallest possible serration with neutral saw blade angle. If using a mechanical saw, take care to provide an appropriate dust extraction. Free edges can be closed using tape if desired (see handling information sheet).

SAFETY

Information on the health and safety of this product is available in the safety data sheet that you will receive with the first delivery or when a revised version appears. Safety data sheets are also available from Evonik Resource Efficiency GmbH, Product Safety Department (sds-hu@evonik.com) or can be downloaded from www.calostat.com.



The CALOSTAT® Pure core material is Cradle to Cradle Certified™ at Gold level.



The CALOSTAT® Pure core material is approved for construction in accordance with ETA 16/0587.

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