

Product information

CALOSTAT® Sandwich MW

HIGH-PERFORMANCE THERMAL INSULATION PANEL WITH CALOSTAT® AS CORE MATERIAL

CALOSTAT® Sandwich MW is an insulation material with a core of CALOSTAT® Pure mechanically bonded to two covering layers.

PHYSICAL AND TECHNICAL DATA

	CALOSTAT® CORE MATERIAL	COVERING LAYERS	CALOSTAT® Sandwich MW
Fire behavior	A2-s1, d0, non-combustible <i>(as specified in DIN EN 13501)</i>	A1, non-combustible <i>(as specified in DIN EN 13501)</i>	Non-combustible <i>(according to our own calculations; test results awaited*)</i>
Thermal conductivity (λ), W/(mK)	0.019	0.039	60 mm: 0.024 50 mm: 0.025 40 mm: 0.026
Design value (λ_D), W/(mK)	0.020	0.040	n.n.*
Standard dimensions mm (b x h)	1000 x 600	980 x 580	980 x 580
Board thickness mm	20, 30, 40	2 x 10	40, 50, 60
Bulk density kg/m ³	165	180	170
Vapor diffusion resistance (μ)	5	1	5
Water absorption kg/m ²	≤ 0.1	≤ 1	≤ 1*
Compressive strength	≥ 90 kPa		≥ 50 kPa
Tensile strength	≤ 1 kPa		≥ 1 kPa
APPROVALS	ETA 16/0587 <i>(European Technical Assessment)</i>	As specified in EN 13162	Applied for

* Testing started under the building supervisory approval process



APPLICATIONS AND PROPERTIES

CALOSTAT® Sandwich MW is a high-performance plasterable mineral thermal insulation panel for building applications such as insulation of rainscreen cladding and the ceilings of underground parking lots and basements; it is also used as interior insulation, as core insulation for cavity walls, in sloping and flat roofs, and in building elements such as doors and windows, as well as for optimization of technical building equipment.

CALOSTAT® Sandwich MW

Properties



- Very good heat insulation properties



- Vapor permeable



- Hydrophobic core material
- Water-repellent covering layer



- Mineral insulating material



- Non-combustible



- Recycling possible



Cutting of CALOSTAT® Sandwich MW panels is possible with cutters, circular saws, or circular knives. We recommend the use of a saw blade with the smallest possible serration with neutral saw-blade angle. If using a saw blade, take care to provide a suitable extraction system.



STANDARD PALLET CALOSTAT® SANDWICH MW

Panel thickness [mm]	Panels per pallet [pieces]	Volume per pallet [m ³]
40	24	0.545
50	19	0.540
60	16	0.545

SAFETY AND HANDLING

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, email: sds-hu@evonik.com.



The CALOSTAT® core material has been awarded the Cradle-to-Cradle Certificate in Gold.

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