

Product information

CALOSTAT® Sandwich MW-F

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

CALOSTAT® Sandwich MW-F is an insulation material with a core of CALOSTAT® Pure mechanically bonded to a mineral wool covering layer on the front face and a woven glass fleece on the rear.

PHYSICAL AND TECHNICAL DATA

	CALOSTAT® CORE MATERIAL	COVERING LAYERS Mineral wool covering layer on the front side	CALOSTAT® Sandwich MW-F
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: 0.023 50 mm: 0.024 40 mm: 0.025 30 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, 50	10	30, 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-F is a high-performance 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-F

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-F 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-F

Panel thickness [mm]	Panels per pallet [pieces]	Volume per pallet [m ³]
30	32	0.545
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.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

CALOSTAT® is a registered trademark of Evonik Industries AG or one of its subsidiaries.

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