

PRODUCT DATA SHEET

Sika ThermoCoat[®]-2 HS MW

Factory-made, rigid stone wool insulation boards, suitable for ETICS



DESCRIPTION

Sika ThermoCoat[®]-2 HS MW are compact rock-based mineral fiber insulation boards with improved thermal characteristics, designed for thermal insulation, fire resistance and sound insulation applications on External Thermal Insulations Composite Systems. Sika ThermoCoat[®]-2 HS MW is a natural inorganic fibrous product that is industrially produced, in accordance with European Standard EN 13162 (Thermal Insulation products for buildings- Factory made Mineral Wool products).

USES

- Integral component of Sika ThermoCoat[®] system, External Thermal Insulation Composite System (ETICS) of Sika
- Designed for thermal insulation, fire resistance and sound applications on ETICS
- Complies with the requirements of EN 13162, as factory made mineral wool products (MW), thermal insulation products for buildings.

CHARACTERISTICS / ADVANTAGES

- Excellent thermal insulation properties
- Non-combustible material with high fire resistance
- Excellent sound absorption and sound reduction
- Vapour permeable, enhancement of the building element's breathability
- Excellent dimensional stability and durability
- Water repellent and non-hygroscopic
- Easy to handle, cut and install
- Natural, inorganic, odourless, chemically inert (practically neutral PH)
- Recyclable, friendly to the environment and to the end user

APPROVALS / CERTIFICATES

- CE-marking and Declaration of Performance as Thermal Insulation product for buildings - Factory made mineral wool (MW) product according to EN 13162:2012+A1:2015, based on certificate of constancy of performance of the construction product issued by notified product certification body.
- CE-marking and Declaration of Performance to EAD 040083-00-0404 - External Thermal Insulation Composite Systems (ETICS) with renderings, as part of Sika ThermoCoat[®] System.

PRODUCT INFORMATION

Composition	Molten rock spun into fibres
Packaging	Boards wrapped in packages with polythylene sheet.
Shelf life	Unlimited, if storage conditions are met
Storage conditions	Store properly at dry conditions, indoors. If this condition can not be met, product must always be protected from impregnation.
Dimensions	1000 mm x 600 mm Thickness tolerance (T) T5* (EN 12431) * < 100 mm: -1/ +3 mm ≥ 100 mm: +1 %/ +3 mm
Thickness	Nominal thickness (d _N): 30 - 300mm (EN 823)

TECHNICAL INFORMATION

Compressive strength	Sika ThermoCoat®-2 HS MW 20	≥ 20 kPa
	Sika ThermoCoat®-2 HS MW 30	≥ 30 kPa
	At 10% deformation [CS(10)], according to EN 826	
Thermal conductivity	Declared thermal conductivity at 10 °C:	
	Sika ThermoCoat®-2 HS MW 20	0.034
	Sika ThermoCoat®-2 HS MW 30	0.035
λ _d [W/mK], according to EN 13162, EN 12667 & EN 12939		
Water absorption	Short term (for 24 hours), WS	< 1 kg/m ² (EN 1609)
	Long term (for 28 days), WL(P)	< 3 kg/m ² (EN 12087)
Diffusion resistance to water vapour	Sika ThermoCoat®-2 HS MW 20	μ=1
	Sika ThermoCoat®-2 HS MW 30	μ=1
	μ factor, according to EN 12086	
Reaction to fire	Euroclass A1 (Non-combustible)	(EN 13501-1)

SYSTEM INFORMATION

System structure

Sika ThermoCoat®-2 HS MW	forms part of Sika's ETIC System, Sika ThermoCoat® which comprises of the following products:
Sika ThermoCoat®-1/3 HS	Cementitious mortar (acc. to EN 998-1) for bonding and rendering of thermal insulation boards
Sika ThermoCoat®-2 HS MW	Non combustible rock based mineral fiber insulation boards (MW), suitable for ETICS (acc. to EN 13162)
Sika ThermoCoat®-4 HS	Alkali resistant glass fiber mesh for strengthening the rendering of thermal insulation boards
Sika ThermoCoat®-5 HS Primer	Water dispresed primer for paste like renders
Sika ThermoCoat®-5 HS / -5 HS Fire	Acrylic, paste-like finishing coating (acc. to EN 15824)
Sika ThermoCoat®-5 HS Silic/ -5 HS Fire Silic	Silicone based, paste-like finishing coating (acc. to EN 15824)
Sika ThermoCoat®-8 HS / -8 HS CL	Plastic expandable fixation anchor with plastic / steel nail, for External Thermal Insulation Composite Systems (acc. to EAD 330196-00-0604)
Sika ThermoCoat®-8 HS FR	Fire resistant fixation anchor made of hot-dip galvanized or stainless steel

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Products should be stored indoors. If product is stored outdoors, must be protected from impregnation
- Material handling on loading and unloading operations should be carried out with care avoiding damage board's edges.
- The boards must be protected from getting wet before and on their application. If product gets wet, it must be dried before installation. Stone wool dries quickly and its insulation properties remain unchanged after drying.
- Avoid direct contact with skin. In narrow, non-ventilated areas, always use suitable protective face mask.
- Natural ventilation of working areas if possible.
- Always take care to rinse skin in cold water after contact with the product.
- Keep the area clean by using vacuum equipment.
- In all cases, the exact fixing spots and their number must be defined according to the specification.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

APPLICATION

Apply always Sika ThermoCoat®-2 HS MW from bottom to the top. Prior to this operation, the starting profile, part of Sika ThermoCoat® Accessories range, has to be positioned. Boards must be immediately applied after the application of Sika ThermoCoat® -1/3 HS.

Application should be done crosswise (brick construction), pressing firmly onto the substrate. It is recommended to control frequently the evenness of the substrate. The boards should be fixed according to the specification, using Sika ThermoCoat®-8 HS range of anchors.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Hellas ABEE

15, Protomagias Str.
GR 145 68, Kryoneri, Attica
Tel.: +30 210 81 60 600
E-mail: info@gr.sika.com
www.sika.gr



Product Data Sheet
Sika ThermoCoat®-2 HS MW
May 2023, Version 01.02
021830200300000011

SikaThermoCoat-2HSMW-en-GR-(05-2023)-1-2.pdf