

PRODUCT DATA SHEET

Sika® ThermoCoat-2

HIGH DENSITY ISOTROPIC POLYSTYRENE CLOSED-CELL FOAM PANEL (20 KG/M³) ACCORDING TO CLASS 1

DESCRIPTION

Sika® ThermoCoat-2 is a sintered polystyrene foam thermal insulation panel with durable insulation power; this property is obtained using non-dissolving gasses (during production process) that keep high thermal conductivity for long time.

USES

Sika® ThermoCoat-2 is part of Sika® ThermoCoat ETICS system.

Sika® ThermoCoat-2 is a sintered polystyrene foam panel especially designed for:

- thermal insulation coating
- thermal insulation in cold-storage rooms
- indoor thermal insulation

CHARACTERISTICS / ADVANTAGES

Sika® ThermoCoat-2 shows evenness in physical and mechanical properties due to isotropy of the base material used. Selected micro-spheres ensure an even cellular structure. Therefore, during its service life, Sika® ThermoCoat-2 doesn't show internal stress, deformation or breakage. Sika® ThermoCoat-2 has high ageing and biological resistance.

APPROVALS / CERTIFICATES

Sika® ThermoCoat-2 complies with the requirements of ETAG 004 according to ETA 11/0358 technical approval.

PRODUCT INFORMATION

Packaging	Panel individually wrapped with polyethylene sheet.
Colour	White
Shelf life	Sika® ThermoCoat-2 doesn't have an expiring date.
Storage conditions	Store in undamaged, original sealed packaging, in dry conditions. Protect from direct sunlight.
Density	~ 20 kg/m ³
Dimensions	1 m x 0.5 m
Thickness	5-6-7-8-10-12 cm

TECHNICAL INFORMATION

Compressive Strength	~ 100 kPa	(EN 12431)
Reaction to Fire	Class 1	(UNI 8457-9174-9177)
Thermal Conductivity	0.036 W/mK	(EN 12667)
Diffusion Resistance to Water Vapour	30-50	(EN 12086)
Service Temperature	-30°C to +90°C	

SYSTEMS

System Structure	Sika® ThermoCoat 1/3: Bonding Mortar for Sika® ThermoCoat-2 panels Sika® ThermoCoat-2: Polystyrene insulating panel Sika® ThermoCoat 1/3: Smoothing and finishing layer Sika® ThermoCoat-4: Reinforcement grid for the finishing layer Sika® ThermoCoat-5 New: Decorative and protective wall finishing Sika® Thermocoat-6: PVC protection for corners Sika® Thermocoat-7: Starting aluminium profile Sika® Thermocoat-8: Plastic mechanical fixing anchor
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APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Apply always Sika® ThermoCoat-2 panels from the bottom to the top. Before this operation the starting profile Sika® ThermoCoat 7 has to be positioned by means of a level. Sika® ThermoCoat-2 panels must be quickly positioned after the application of Sika® ThermoCoat 1/3 adhesive. Apply Sika® ThermoCoat-2 panels with staggered vertical joints.

Avoid any cracks between panel joints during application. Afterwards, Sika® ThermoCoat-2 panels have to be pressed on the substrate with a trowel and it is recommended to check regularly the alignment by means of a float.

IMPORTANT CONSIDERATIONS

Sika® ThermoCoat-2 must be protected from direct sunlight and solvents.

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.

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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 this 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)

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.

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