

## PRODUCT DATA SHEET

# Sika ThermoCoat®-8 HS

PLASTIC EXPANDABLE FIXATION ANCHOR FOR EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS



### DESCRIPTION

Sika ThermoCoat®-8 HS are expandable fixation anchors with glass fibre reinforced (GRP – Polyamide) nail, suitable for fixing of insulation boards in external thermal insulation composite systems.

### USES

- Designed for use as the fixation anchors (stabilization/ mechanical fixing) of insulation boards on concrete and on masonry of external thermal insulation composite system Sika ThermoCoat®.
- Flush-to-surface installation in insulation materials of the external thermal insulation composite systems
- Complies with the requirements of ETAG 014 as plastic anchor for fixing of external thermal insulation composite systems

### CHARACTERISTICS / ADVANTAGES

- Suitable for substrates such as concrete, solid or perforated brick etc.
- Due to the GRP (polyamide) nail, the anchor provides nearly no thermal bridging and helps energy saving
- The asymmetric expansion element ensures a perfect anchoring even in unsound substrates
- The plate thickness of 2.5 mm allows thin and economic reinforcement layers.
- Quick and easy installation per hammering in the plastic nail with a standard hammer
- Non load bearing layers such as old render are to be included in the required useful length
- Suitable for thicknesses of insulation boards up to 180mm

### APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to ETAG 014 - Plastic anchors for fixing of external thermal insulation composite systems with rendering.
- CE Marking and Declaration of Performance to ETAG 004:2013 - External Thermal Insulation Composite System (ETICS) with rendering.

### PRODUCT INFORMATION

<b>Packaging</b>	Boxes, containing 100 pcs
<b>Appearance / Colour</b>	Anchor, white, grey, yellow
<b>Shelf life</b>	Unlimited if stored properly.
<b>Storage conditions</b>	Store properly in original, undamaged packaging, protected from direct sunlight and frost, at temperatures between +5°C and +30°C.
<b>Dimensions</b>	Plate diameter: 60 mm
<b>Length</b>	110mm min. / 230 mm max.

# SYSTEMS

## System structure

Sika ThermoCoat®-8 HS forms part of Sika's ETICS system Sika ThermoCoat® which comprises of the following products:	
<b>Sika ThermoCoat®-1/3 HS</b>	Cementitious mortar (acc. to EN 998-1) for bonding and rendering of thermal insulation boards
<b>Sika ThermoCoat®-2 HS</b>	Expanded polystyrene boards (EPS) with flame retardant, suitable for ETICS (acc. to EN 13163)
<b>Sika ThermoCoat®-4 HS</b>	Alkali resistant glass fiber mesh for strengthening the rendering of thermal insulation boards
<b>Sika ThermoCoat®-5 HS Primer</b>	Water dispersed primer for pastelike renders
<b>Sika ThermoCoat®-5 HS / -5 HS Silic</b>	Acrylic / silicone based, paste-like finishing coating (acc. to EN 15824)
<b>Sika ThermoCoat®-8 HS</b>	Plastic expandable fixation anchor for external thermal insulation composite systems (acc. to ETAG 014)

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Check the condition of the substrate, in which external thermal insulation composite system will be installed. The substrate must be sound, free, dry and free from loose and friable materials, low adhesion coatings and other substances that may affect the adhesion of the system.

Follow the instructions concerning the supported load values.

The installation requires the use of proper equipment (standard hammer, drill, drill points).

### IMPORTANT CONSIDERATIONS

- Ensure the full bonding of the thermal insulation boards, using Sika ThermoCoat®-1/3 HS or Sika ThermoCoat® Easy, on the exact installation points of Sika ThermoCoat®-8 HS.
- Select the correct anchor length, relative to the load and the thickness of the thermal insulation board.

### 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

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).

## 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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**Product Data Sheet**

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