

## PRODUCT DATA SHEET

# SikaShield® Anchor 400

Prefabricated universal bitumen roof connection point

### DESCRIPTION

SikaShield® Anchor 400 is a manufactured, preformed accessory that provides a secure, watertight connection between the roof structure or roof deck and the waterproofing membrane. It combines the performance of SBS modified bituminous roof waterproofing membrane as base layer and hybrid bituminous membrane as top layer. The top surface is coated with mineral granules which allows permanent exposure to UV radiation and the underside has a burn-off film for easy torch or hot-air application.

### USES

SikaShield® Anchor 400 is used as a:

- Universal connection point for fixing roof-mounted products to exposed SikaShield roofing membranes
- Please note:
- The product may only be used by experience professionals

### FEATURES

- Provides a secure watertight anchor to the roof deck
- The aluminium steel insert nut is equipped with an M12 internal thread on both sides
- Very good resistance to UV exposure
- Torch-on or hot-air weldable

### PRODUCT INFORMATION

<b>Composition</b>	Aluminium console. Rubber sealing ring. SBS and APAO modified bitumen cap-sheet, composite inlay, based on fibre glass matt and spunbond polyester, reinforced. SBS modified bitumen base-sheet, non-woven spunbond polyester fabric reinforced.	
<b>Packaging</b>	14 pieces packed in a cardboard box. Refer to the current price list for available packaging variations.	
<b>Colour</b>	Dark grey	
<b>Appearance and colour</b>	Dark grey mineral granules finishing. Aluminum thread.	
<b>Shelf life</b>	36 months from date of production.	
<b>Storage conditions</b>	The product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Protect the product from direct weather exposure and sunlight. Always refer to the packaging.	
<b>Dimensions</b>	Height	42 mm
	Diameter	400 mm

## APPLICATION INFORMATION

Ambient air temperature	Minimum	+5 °C
	Maximum	+40 °C
Substrate temperature	Minimum	+5 °C
	Maximum	+40 °C

## SYSTEM INFORMATION

System structure	THERMAL INSULATION The compressive strength must be sufficient to carry the additional long-term load of the connection point. MEMBRANE All types of exposed and not exposed SikaShield® membranes FASTENERS SikaRoof® Anchor Washer 140 Sarnafast® fastener with a minimum diameter of 6.0 mm
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## BASIS OF PRODUCT DATA

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

## 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

Application: Follow the instructions in the installation guide and installation videos and adapt them to the conditions on site. Installation must only be carried out by personnel trained by Sika. The dimensions and number of fasteners, the number of anchors, and the condition and load-bearing capacity of the underlying roof structure must be checked and, if necessary, measured and approved by a qualified structural engineer.

When using the SikaRoof® Anchor in conjunction with the SikaShield® Anchor 400, the following design values apply:

Number of fasteners	Admissible design load for the resistance of wind uplift
4	3200 N

**Preconditions** The M12 threaded steel section is made of stainless steel.

1. Clean the SikaShield® membrane around the installation area.
2. Fix the washer to the substrate with appropriate fasteners.
3. Pre-warm the area around the washer (maximum diameter of 400 mm) in order to remove or embedding the membrane's mineral granules finishing.
4. Screw SikaShield® Anchor 400 into the fastened SikaRoof® Anchor Washer 140.
5. Hot-air weld or torch-on the lower edge of the bitumen base plate to the roof waterproofing membrane.
6. Hot-air weld or torch-on the upper edge of the bitumen base plate to the roof waterproofing membrane.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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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