

## PRODUCT DATA SHEET

# SikaShield® Anchor 400

Prefabricated universal bitumen roof connection point

## PRODUCT DESCRIPTION

SikaShield® Anchor 400 is a 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:

- Connection point for fixing roof-mounted products to exposed SikaShield roofing membranes

Please note:

- The product may only be used by experience professionals

## CHARACTERISTICS / ADVANTAGES

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

## PRODUCT INFORMATION

Chemical Base	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.	
Packaging	10 pieces packed in a cardboard box.	
Colour	Dark grey	
Appearance / Colour	Dark grey mineral granules finishing. Aluminum thread.	
Shelf Life	36 months from date of production.	
Storage Conditions	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.	
Dimensions	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 non exposed SikaShield® membranes
	Fasteners	SikaRoof® Anchor Washer 140 or fastener with a minimum diameter of 6.0mm

## VALUE BASE

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.

## 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

- **Installation:** Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.
- **Application by trained personnel:** The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.

- **Pitched Roofs:** For projects with roof slopes above 10°, a suitably qualified structural engineer must determine the maximum admissible load. When used in conjunction with SikaRoof® Anchor Washer 140 the following design parameters apply:

Number of fasteners	Admissible design load for the resistance of wind up-lift
4	2400 N

- Preconditions** The M12 threaded steel section is made of stainless steel, to prevent the risk of bimetallic corrosion. Preliminary pull-out tests must be carried out to confirm the suitability of the fastener installation.
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 embed the membrane's mineral finish.
  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

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.

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