

## PRODUCT DATA SHEET

# SikaRoof® Anchor 250 PVC CR

Prefabricated universal PVC roof connection point

### PRODUCT DESCRIPTION

SikaRoof® Anchor 250 PVC CR is a manufactured, pre-formed accessory that provides a secure, watertight connection between the roof substructure or roof deck and the waterproofing membrane.



### USES

SikaRoof® Anchor 250 PVC CR is used as a:

- Universal connection point for fixing roof-mounted products to exposed Sikaplan® PVC roofing membranes

Please note:

- The Product may only be used by experienced professionals.

### CHARACTERISTICS / ADVANTAGES

- Provides a secure watertight anchor to the roof deck
- The stainless steel insert nut is equipped with an M12 internal thread on both sides
- Very good resistance to UV exposure
- Hot-air weldable without use of open flames

### PRODUCT INFORMATION

|                            |  |                                     |
|----------------------------|--|-------------------------------------|
| <b>Chemical Base</b>       | Modified polyvinyl chloride (PVC) compound and machined Stainless Steel Grade 1.4401                       |                                     |
| <b>Packaging</b>           | 10 pieces packed in a cardboard box<br>Refer to the current price list for available packaging variations. |                                     |
| <b>Appearance / Colour</b> | <u>Appearance</u>  | Stainless steel                     |
|                            | <u>Colour</u>  | Lead grey<br>Light grey<br>RAL 9016 |

|                           |  |
|---------------------------|--|
| <b>Shelf Life</b>         | 5 years from date of production.   |
| <b>Storage Conditions</b> | The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to the packaging. |
| <b>Diameter</b>           | (250 ± 3) mm   |
| <b>Height</b>             | (42 ± 1) mm  |

## APPLICATION INFORMATION

|                                |         |        |
|--------------------------------|---------|--------|
| <b>Ambient Air Temperature</b> | Maximum | +50 °C |
|                                | Minimum | -40 °C |
| <b>Substrate Temperature</b>   | Maximum | +50 °C |
|                                | Minimum | -40 °C |

## SYSTEM INFORMATION

|                         |  |
|-------------------------|--|
| <b>System Structure</b> | <p><b>THERMAL INSULATION</b><br/>The compressive strength must be sufficient to carry the additional long-term load of the connection point.</p> <p><b>MEMBRANE</b><br/>All types of exposed Sarnafil® PVC and Sikaplan® PVC membranes.</p> <p><b>FASTENERS</b><br/>SikaRoof® Anchor Washer 140<br/>Sarnafast® fastener with a minimum diameter of 6.0 mm.</p> |
|-------------------------|--|

## 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

#### IMPORTANT

#### **Strictly follow installation procedures**

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

#### IMPORTANT

#### **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.

#### IMPORTANT

#### **Roof slope greater than 10°**

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:

| <b>Number of fasteners</b> | <b>Admissible design load for the resistance of wind uplift</b> |
|----------------------------|---|
| 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 confirm the suitability of the fastener installation.

1. Clean the Sarnafil® PVC or Sikaplan® PVC membrane around installation area.
2. Fix the washer to the substrate with appropriate fasteners.
3. Install the PVC flange and tighten to 25Nm.
4. Weld the edge of the PVC flange to the waterproofing membrane. Note Use electric hot-air welding equipment such as manual hot-air welding guns (Leister) and pressure rollers in accordance with the relevant Sika application manual.

### Application below +5 °C

Note: Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.  
Note: Installation of ancillary products such as contact adhesives or cleaners is limited to temperatures above +5 °C. Refer to the corresponding Product Data Sheets.

### 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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