

PRODUCT DATA SHEET

SikaProof®-11 Anchor

Anchor fixation through SikaProof®-110 waterproofing membranes

DESCRIPTION

SikaProof®-11 Anchor is a hard anchor shaft combined with SikaProof®-110 waterproofing membrane flange.

USES

SikaProof®-11 Anchor is used in tunnel constructions in combination with SikaProof®-110 waterproofing sheet membranes to temporarily fix the reinforcement of the inner lining to the outer shell, until the secondary concrete or shotcrete lining is cured and self-supporting.

CHARACTERISTICS / ADVANTAGES

- Allows watertight hot air thermally jointed seam with SikaProof®-110 membrane
- Good load transfer through hard anchor shaft
- Waterproofing line around anchor (no additional sealing elements required)
- Anchor steel corrosion-protected
- Quick and simple installation

PRODUCT INFORMATION

Packaging	30 pcs per box
Shelf Life	5 years shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage Conditions	Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +40 °C. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.
Top Surface	SikaProof®-110 Membrane
Bottom Surface	Hard PP shaft
Thickness	Membrane: 1.4 mm
Diameter	Shaft: inside thread M16, length 200 mm Membrane: 300 mm

SYSTEM INFORMATION

System Structure	Ancillary products <ul style="list-style-type: none"> ▪ SikaProof® membranes for tunnels ▪ Sikadur®-31 ▪ Sika® AnchorFix®-2
-------------------------	--

TECHNICAL INFORMATION

APPLICATION INFORMATION

Ambient Air Temperature +5 °C min.

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.

IMPORTANT CONSIDERATIONS

- Sika® is not responsible for the permissible anchor forces or the related loading calculations.
- Preliminary pull-out tests are mandatory.
- Installation works must only be carried out by Sika® trained contractors.
- The membrane is not UV stabilized and cannot be installed on structures permanently exposed to sunlight and weathering.

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

SUBSTRATE QUALITY

The substrate conditions are as defined for the waterproofing membrane system which is to be combined with the SikaProof®-11 Anchor.

APPLICATION METHOD / TOOLS

Installation method

1. Cut out a small section of the waterproofing system or drill through waterproofing membrane directly.
2. Drill a hole into the substrate.
3. Clean the drill hole with high pressure water jet or
4. Clean the drill hole with compressed air
5. Inject Sikadur®-31 or Sika® AnchorFix®-2, or use anchor capsule
6. Install SikaProof®-11 Anchor
7. Thermally joint seam with SikaProof®-110 membrane
8. Install steel anchor for temporary fixing of rebar cage

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.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my

