

## PRODUCT DATA SHEET

# Sika AnchorFix®-3030

Epoxy, high-performance, chemical anchoring adhesive

### DESCRIPTION

Sika AnchorFix®-3030 is a two-part, thixotropic, high-performance epoxy anchoring adhesive. It is used for anchoring threaded rods and reinforcing bars in both cracked and uncracked, dry and damp concrete.

### USES

Sika AnchorFix®-3030 may only be used by experienced professionals.

Sika AnchorFix®-3030 is used as an anchoring adhesive for fixing non-expanding anchors in the following substrates:

- Concrete
- Cracked or uncracked concrete
- Wood
- Natural stone
- Reconstituted or cast stone
- Solid rock

Sika AnchorFix®-3030 is used as an anchoring adhesive for fixing non-expanding anchors in the following objects:

- Threaded rods
- Reinforcing steel
- Bolts and special fastening systems

Sika AnchorFix®-3030 is used for the following application areas:

- Around window and door frames
- Handrails, balustrades and supports
- Railings

### CHARACTERISTICS / ADVANTAGES

- Suitable for use in dry, wet, and water-filled holes
- ETA based on working life of 50 years or 100 years
- Long open time
- Very good load capacity
- ETA to EAD 330499-01-0601 for anchoring in uncracked concrete

- ETA to EAD 330087-01-0601 for post installed rebar connections
- ETA to TR 069 for bond splitting
- Seismic testing C1 and C2 available
- Suitable for contact with drinking water
- High fire resistance
- Styrene-free
- Good adhesion to the substrate
- No shrinkage after curing
- Low wastage
- Seismic testing for post installed rebars
- Fire exposure testing F240 for rebars
- Can be used in hammer-drilled, dustless-drilled and diamond-core-drilled bore holes

### ENVIRONMENTAL INFORMATION

- Contributes towards satisfying Indoor Environmental Quality (EQ) Credit: Low-Emitting Materials under LEED® v4 — 1–3 points

### APPROVALS / STANDARDS

- CE marking and declaration of performance based on European Technical Assessment ETA 17/0693 06/05/2024. ETA issued on the basis of EAD 330087-01-0601 Post-installed rebar connections.
- CE marking and declaration of performance based on European Technical Assessment ETA-17/0694. ETA issued on the basis of EAD 330499-01-0601 Bonded fasteners for use in concrete.
- European Technical Assessment ETA 17/0693 06/05/2024
- European Technical Assessment ETA 17/0694 25/10/2021
- European Technical Assessment ETA 24/0384 06/05/2024
- Fire Evaluation of Post Installed Rebar Connections CEN EN 1991-1-2, Sika Anchor
- Drinking Water System Components NSF/ANSI 61, Sika AnchorFix®, IAPMO R&T, Certificate No. K-8319

## PRODUCT INFORMATION

<b>Chemical Base</b>	Epoxy resin	
<b>Packaging</b>	385 ml dual cartridge	12 cartridges per box 70 boxes per pallet
	585 ml dual cartridge	12 cartridges per box 56 boxes per pallet
Refer to the current price list for available packaging variations.		
<b>Colour</b>	Part A	off white
	Part B	grey
	Part A+B	light grey
<b>Shelf Life</b>	24 months 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 +25 °C. Protect the Product from direct sunlight. Refer to the current Safety Data Sheet for information on safe handling and storage.	
<b>Density</b>	1.5 kg/L (parts A+B mixed)	(ISO 1183-1)

## TECHNICAL INFORMATION

<b>Compressive Strength</b>	Cured 7 days at +20 °C	95 N/mm <sup>2</sup>	(ASTM D695)
<b>Tensile Strength in Flexure</b>	Cured 7 days at +20 °C	45 N/mm <sup>2</sup>	(ASTM D790)
<b>Tensile Strength</b>	Cured 7 days at +20 °C	23 N/mm <sup>2</sup>	(ASTM D638)
<b>Modulus of Elasticity in Tension</b>	Cured 7 days at +20 °C	5500 N/mm <sup>2</sup>	(ASTM D638)
<b>Service Temperature</b>	<b>Time</b>	<b>Minimum</b>	<b>Maximum</b>
	Long term	-40 °C	+50 °C
	Short term (up to 2 hours)	-	+70 °C
			(EAD 330499-00-0601)

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Part A : Part B	3 : 1 by volume
<b>Layer Thickness</b>	Maximum	8 mm
<b>Sag Flow</b>	Non-sag, even overhead	
<b>Product Temperature</b>	Maximum	+40 °C
	Minimum	+10 °C
<b>Ambient Air Temperature</b>	Maximum	+40 °C
	Minimum	+5 °C
<b>Dew Point</b>	The substrate temperature must be at least +3 °C above dew point to reduce the risk of condensation decreasing adhesion.	
<b>Substrate Temperature</b>	Maximum	+40 °C
	Minimum	+5 °C

## Curing Time

Temperature	Open time - T <sub>gel</sub>	Curing time - T <sub>cur</sub>
+35 °C to +40 °C	6 minutes	2 hours
+30 °C to +35 °C	8 minutes	4 hours
+25 °C to +30 °C	12 minutes	6 hours
+20 °C to +25 °C	18 minutes	8 hours
+15 °C to +20 °C	25 minutes	12 hours
Minimum cartridge temperature: +15 °C		
+10 °C to +15 °C	40 minutes	18 hours
+5 °C to +10 °C	150 minutes	24 hours
Minimum cartridge temperature: +10 °C		
<+5 °C	300 minutes	24 hours
Minimum cartridge temperature: +10 °C		

## SYSTEM INFORMATION

### System Structure

Ancillary products:

- Sika AnchorFix® Flexible Extensions
- Sika AnchorFix® Hole Cleaning Brushes Steel
- Sika AnchorFix® Static Mixers / Nozzles
- Sika AnchorFix® Straight Extensions
- Sika AnchorFix® Resin Stoppers

## 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.

## FURTHER DOCUMENTS

For design details, refer to the following technical documentation: 870 43 18 Technical Documentation Sika AnchorFix®-3030 (08 / 2023) 1

## ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Mortar and concrete must be older than 28 days. Verify the substrate strength (concrete, masonry, natural stone). Perform pull-out tests if the substrate strength is unknown.

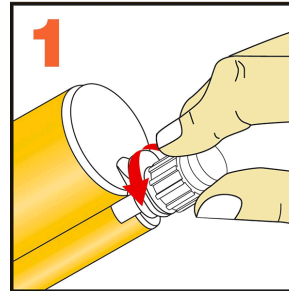
Make sure that the anchor hole is clean, dry, free from oil and grease. Remove loose particles from the anchor hole.

Clean threaded rods and reinforcement bars thoroughly. Remove oil, grease or any other substances and particles such as dirt.

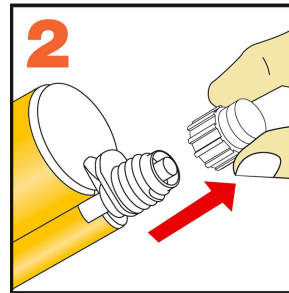
### MIXING

#### PREPARING THE CARTRIDGE

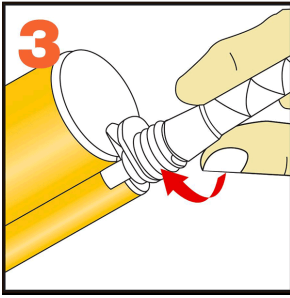
1. Unscrew the cap.



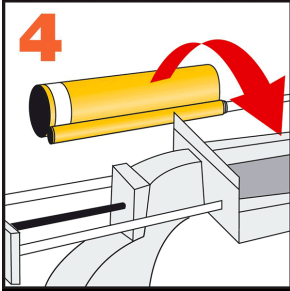
2. Remove the cap.



3. Screw on the static mixer.



4. Place the cartridge into the dispenser and start application.



## APPLICATION

When the work is interrupted, the static mixer nozzle can remain on the cartridge after the gun pressure has been released. If the resin has hardened in the nozzle when work is resumed, a new nozzle must be attached.

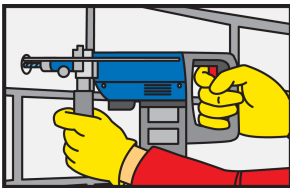
### Test if the Product is suitable for the substrate

Note: Due to the variety of possible substrates, the Product's suitability for the substrate must be confirmed before application, particularly in terms of desired bond strength, composition, porosity, potential surface staining or discolouration.

1. Test the Product's suitability in a sample area.

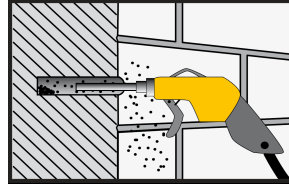
### ANCHORS IN SOLID MASONRY OR CONCRETE

1. IMPORTANT Make sure that the drill hole diameter is in accordance with the anchor size. Drill a hole with an electric drill to the diameter and depth specified in the Technical Documentation listed in the section Further Information.

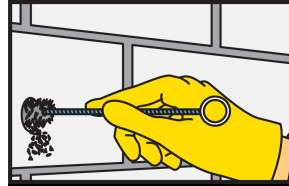


2. IMPORTANT Use oil-free compressors. Clean the drill hole with an air lance, pressure: 6 Bar (90 psi), starting from the bottom of the hole. Note The hole

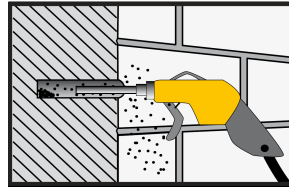
must be cleaned a minimum of two times until return air stream is free of dust.



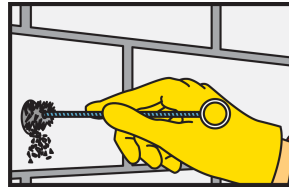
3. Thoroughly clean the drill hole with the steel brush. Note The diameter of the brush must be larger than the diameter of the drill hole and the hole must be cleaned a minimum of two times.



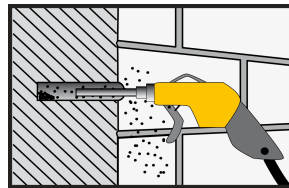
4. IMPORTANT Use oil-free compressors. Clean the drill hole with an air lance, pressure: 6 Bar (90 psi), starting from the bottom of the hole. Note The hole must be cleaned a minimum of two times until return air stream is free of dust.



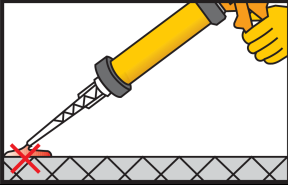
5. Thoroughly clean the drill hole with the steel brush. Note The diameter of the brush must be larger than the diameter of the drill hole and the hole must be cleaned a minimum of two times.



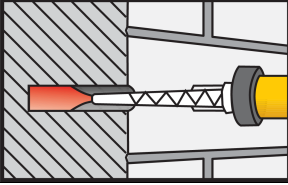
6. IMPORTANT Use oil-free compressors. Clean the drill hole with an air lance, pressure: 6 Bar (90 psi), starting from the bottom of the hole. Note The hole must be cleaned a minimum of two times until return air stream is free of dust.



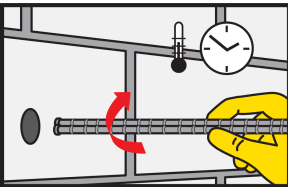
7. Pump the Product until both parts come out uniformly. Release the gun pressure and clean the cart-ridge nozzle with a cloth.



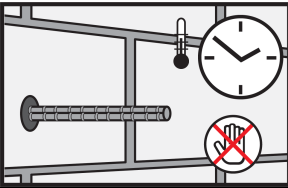
8. **IMPORTANT** Do not entrap air into the hole. Inject the Product into the hole starting from the bottom while slowly drawing back the static mixer. Note For deep holes extension tubing can be used.



9. **IMPORTANT** The anchor must be placed within the open time. Insert the anchor with a rotary motion into the filled drill hole. Note Some adhesive must come out of the hole.



10. Do not load or move the anchor during the hardening time.



## CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Hardened material can only be removed mechanically.

## 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 South Africa (Pty) Ltd

9 Hocking Place,  
Westmead, 3608  
South Africa  
Phone +27 31 792 6500  
www.sika.co.za



### Product Data Sheet

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