BUILDING TRUST

PRODUCT DATA SHEET

Sika AnchorFix®-3030

Epoxy, high-performance, chemical anchoring adhesive

PRODUCT 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:
- 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

- Easy to use two-component cartridge.
- 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 Assesment ETA 17/0693 06/05/2024.
- European Technical Assesment 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 AnchorFix-3030 injection system.
- Drinking Water System Components NSF/ANSI 61, Sika AnchorFix®, IAPMO R&T, Certificate No. K-8319.

PRODUCT INFORMATION

Chemical Base	Epoxy resin	
Packaging	385 ml dual cartridge	12 cartridges per box 70 boxes per pallet
	Refer to the current price list for available packaging variations.	
Colour	Part A	Off-white
	Part B	Grey
	Part A+B	Light Grey
Shelf Life	24 months from date of production	
Storage Conditions	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.	
Density	1.5 kg/L (Parts A+B mixed)	(ISO 1183-1)

TECHNICAL INFORMATION

Compressive Strength	Cured 7 days at +20 °C	~95 N/mm²	(ASTM D695)
Flexural Strength	Cured 7 days at +20 °C	~45 N/mm²	(ASTM D790)
Tensile Strength	Cured 7 days at +20 °C	~23 N/mm²	(ASTM D638)
Tensile Modulus of Elasticity	Cured 7 days at +20 °C	~5500 N/mm²	(ASTM D638)

Service Temperature (EAD 330499-00-0601)

Time	Minimum	Maximum
Long term	-40 °C	+50 °C
Short term (up to 2 hours)	-	+70 °C

APPLICATION INFORMATION

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

Curing Time

Temperature	Open time - T_{gel}	Curing time - T_{cur}
+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 Minimum cartridge temperature: +15 °C	25 minutes	12 hours
+10 °C to +15 °C	40 minutes	18 hours
+5 °C to +10 °C Minimum cartridge temperature: +10 °C	150 minutes	24 hours
<+5 °C Minimum cartridge temperature: +10 °C	300 minutes	24 hours

SYSTEM INFORMATION

System Structure

Ancillary products are available on request. Please contact Sika® Technical Services for information.

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.

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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

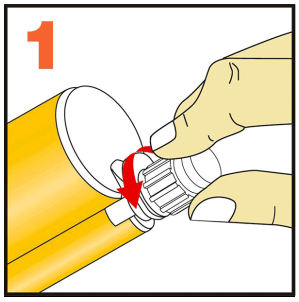
APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

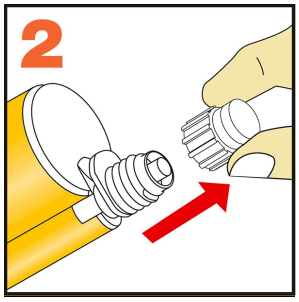
Mortar and concrete must be older than 28 days.
Verify the substrate strength (concrete, masonry, natural stone). Perform pull-out tests if the substrate strength is unknown.
Make sure that the anchor hole is clean, dry, free from oil and grease. Remove loose particles from the anchor hole.
Clean threaded rods and reinforcement bars thoroughly. Remove oil, grease or any other substances and particles such as dirt.

MIXING

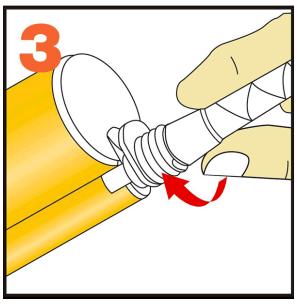
PREPARING THE CARTRIDGE
1. Unscrew the cap.



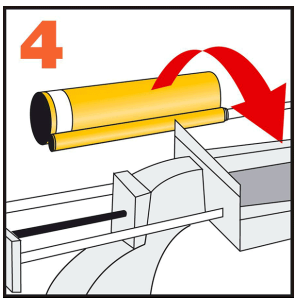
2. Remove the cap.



3. Screw on the static mixer.



4. Place the cartridge into the dispenser / gun (dual side-by-side arrangement 3:1 by volume, and 26:1 thrust ratio) 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.

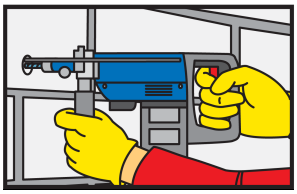
Test if the Product is suitable for the substrate

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.

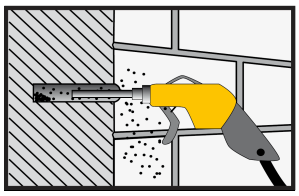
- Test the Product's suitability in a sample area.

ANCHORS IN SOLID MASONRY OR CONCRETE

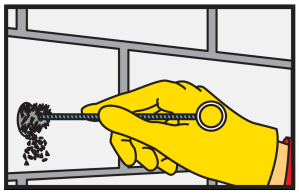
1. IMPORTANT: Make sure that the drill hole diameter is in accordance with the anchor size. Drill a hole with an electric drill to the diameter and depth specified in the Technical Documentation listed in the section Further Information.



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.



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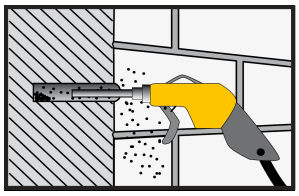
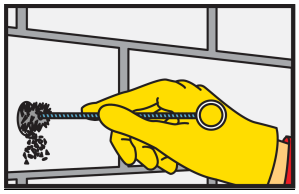
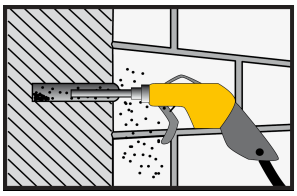


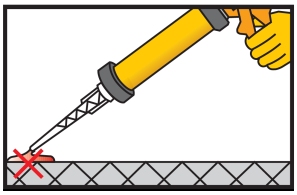
5. Thoroughly clean the drill hole with the steel brush. **NOTE:** The diameter of the brush must be larger than the diameter of the drill hole and the hole must be cleaned a minimum of two times.



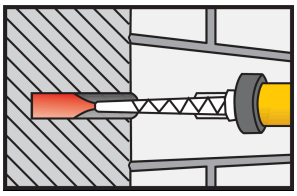
6. IMPORTANT: Use oil-free compressors. Clean the drill hole with an air lance, pressure: 6 Bar (90 psi), starting from the bottom of the hole. **NOTE:** The hole must be cleaned a minimum of two times until return air stream is free of dust.



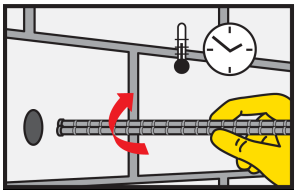
7. Pump the Product until both parts come out uniformly. Release the gun pressure and clean the cartridge nozzle with a cloth.



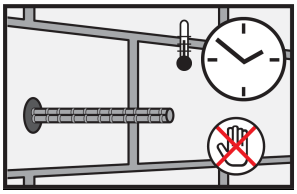
8. IMPORTANT: Do not entrap air into the hole. Inject the Product into the hole starting from the bottom while slowly drawing back the static mixer. **NOTE:** For deep holes extension tubing can be used.



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 be extruded from 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® Thinner C 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.

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