Sika AnchorFix® Range
High Performance, Fast Curing Anchoring Adhesive for Structural Applications
Sika solutions for all type of Anchoring Applications

Sika AnchorFix® Range

Sika AnchorFix®-2
High Performance, Fast Curing Anchoring Adhesive
for structural applications with medium to high loads
- Reduced anchor length possible due to very high load capacities
- ETA approved
- Being tested in accordance to EN1580 standards
- Styrene-free
- Can be applied with standard sealant guns

Sika AnchorFix®-3+
High-Performance, 2-Part epoxy Anchoring Adhesive
for anchoring into damp and wooden substrates for very high loads
- Ideal for filling and anchoring in big holes
- Can be used on damp surfaces
- Can be used for wooden substrates
- Styrene-free
- 250 ml cartridge can be applied with standard sealant guns

How to use...

Drill the hole with an electric drill. Diameter and depth of the hole must be large enough to accommodate the element to be anchored.

The drill hole must be thoroughly cleaned with a round brush. The diameter of the brush must be larger than the diameter of the drill hole.

The drill hole must be cleaned after each hole is drilled with a bellow or by compressed air, starting from the bottom of the hole.

Important: use oil-free compressors!

Pump appox. twice until both parts come out uniformly. Do not use this material. Release the gun pressure and clean the cartridge opening with a cloth.

Insert the adhesive into the hole, starting from the bottom, while slowly drawing the static mixer. In any case avoid extruding air. Air bubbles or extension tubes can be used.

Important! The anchor must be placed within the open time.

During the hardening time the anchor must not be moved or loaded. Wash hands and skin thoroughly with soap and water.
Sika AchorFix®-2
Fast Curing Anchoring Adhesive for medium to high loads

For anchoring of all sizes of:
- Rebars
- Threaded rods
- Bolts and other anchor systems

Usable in the following substrates:
- Concrete
- Natural and artificial stone
- Solid Rock
- Solid Masonry

Features and Benefits
Ideal for anchoring of rebar and threaded rods.

Applicable with simple, inexpensive standard guns.

Reduced anchor length possible due to very high load capacities.

Can be used for overhead applications without temporary fixing of anchor.

Handling
1. Unscrew and remove the cap
2. Pull out the red plug
3. Screw on the static mixer
4. Place the cartridge into the gun and start application

Sika AchorFix®-3+
Anchoring Adhesive for damp substrates and very high loads

For anchoring of all sizes of:
- Rebars
- Threaded rods
- Bolts and other anchor systems

Usable in the following substrates:
- Concrete
- Natural and artificial stone
- Solid Rock
- Solid Masonry
- Wood
- Damp substrates

Features and Benefits
Shrinkage-free hardening.

Ideal for filling and anchoring in big holes.

Can be used on damp surfaces. Can be used for wood anchoring.

250 ml cartridge can be used with a standard gun.

400 ml cartridge can be used with the YBM 200X gun.

2-Component epoxy anchoring adhesive 1:1 mixing ratio supplied in a 250 ml cartridge including 1 mixer. No hand mixing required. Constant mixing quality. Also available in a 400 ml side by side cartridge.

Curing Time

<table>
<thead>
<tr>
<th>Sika AchorFix®-2</th>
<th>Sika AchorFix®-3+</th>
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</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td><strong>Temperature</strong></td>
</tr>
<tr>
<td>0°C - +35°C</td>
<td>0°C - +35°C</td>
</tr>
<tr>
<td>10°C - +35°C</td>
<td>+20°C - +35°C</td>
</tr>
<tr>
<td>10°C - +20°C</td>
<td>0°C - +5°C</td>
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<tr>
<td>5°C - +10°C</td>
<td>0°C - +5°C</td>
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<td>0°C - +5°C</td>
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<td><strong>Open Time T&lt;sub&gt;oa&lt;/sub&gt;</strong></td>
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<td>4 minutes</td>
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<td>4 minutes</td>
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<td>8 minutes</td>
<td>35 minutes</td>
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<td>75 minutes</td>
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<td>70 minutes</td>
<td>120 minutes</td>
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<td>180 minutes</td>
<td>24 hours</td>
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<tr>
<td>30 minutes</td>
<td>45 hours</td>
</tr>
<tr>
<td>45 hours</td>
<td>70 hours</td>
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</tbody>
</table>

*Min. cartridge temperature = +5°C

Comp. A
Comp. B
### Consumption / Dosage

<table>
<thead>
<tr>
<th>Anchor diameter in mm</th>
<th>Fill volume in ml</th>
<th>Drill hole depth in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min</td>
<td>Max</td>
<td>603</td>
</tr>
<tr>
<td>8</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>12</td>
<td>4</td>
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<td>18</td>
</tr>
<tr>
<td>40</td>
<td>45</td>
<td>20</td>
</tr>
</tbody>
</table>

This calculation is based on actual volume. However, additional 20% to 25% material (volume) should be considered as wastage / other factors.

Information and data given are based on our experience, research and testing, and are considered to be reliable and accurate. Sika being however not in a position of knowing all purposes and methods of use of this product shall not be liable for damages.

**Important:** The load-bearing capacity of the chosen anchor must in any case be verified.

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### System Components

#### Hole Cleaning Brushes
- **Type:** Hole Diameter
- **Brush 13:** 6.12 mm
- **Brush 18:** 14.16 mm
- **Brush 25:** 18.35 mm

#### Extension Tubes
- **Length:** 50 cm
- **1 bag of 5 tubes**

#### Flexible Extension Tubes
- **Length:** 1m
- **1 bag of 2 tubes**

#### Sika AchorFix®-2 Guns
- **Sika PowerGun** for 300 ml cartridges for 550 ml cartridges
- **Packaging:** Box with 12 x 300 ml cartridges

#### Sika AchorFix®-3+ Guns
- **Sika PowerGun** for 250 ml
- **Box with 12 x 250 ml cartridges**
- **Gox 600-2000A Gun** for 400 ml
- **Packaging:** Box with 12 x 400 ml cartridges

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### Certificates / Approvals

- **Centre scientifique et Technique du Batiment (CTB): European Technical Approval for Sika AchorFix 2 stainless steel bonded anchor**
- **Centre scientifique et Technique du Batiment (CTB): European Technical Approval for Sika AchorFix 2 galvanized bonded anchor**

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**Sika®**

- **d:** stud or bar nominal diameter (mm)
- **D:** drilled hole diameter (mm)
- **h1:** hole depth (threaded) (mm)
- **h2:** effective bond length (rear) (mm)
- **C:** clearance edge distance (mm)
- **S:** anchor spacing (mm)
- **C1:** required clearance edge distance to achieve N2
- **hmin:** minimum concrete member thickness (mm)
- **fcm:** concrete compressive strength (N/mm²)
- **N2:** anchor characteristic load, tension (kN)
- **N2a:** anchor characteristic load, shear (kN)
- **N3:** anchor recommended load (kN)
- **Ree:** mean edge reduction factor, tension only
- **Re:** mean edge reduction factor, shear only
- **Re1:** close edge reduction factor, tension only
- **Re2:** close edge reduction factor, shear only
- **Re1a:** close edge reduction factor, tension only
- **Re2a:** close edge reduction factor, shear only

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**Civil Aid Technologies Pvt. Ltd. (a part of Tectronic Engineering) (K66), Accredited Laboratory as per IS17019, Sika AchorFix-2 Pull-Out Test Report**
Sika - global knowledge with a local presence

Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.

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An ISO 9001:2000 Company