

Injection mortar FIS SB

The silane technology of the fischer injection mortar FIS SB enables a really high bond strength and therefore a really high load level. The European Technical Approval for cracked and non-cracked concrete and for seismic loads offers added safety. The fischer injection mortar FIS SB is suitable for use with the system components for fixation both inside and outside. It can be used with the threaded rod FIS A, the internal threaded anchor RG MI, and the rebar anchor FRA and reinforcement bars. The variable anchorage depths optimise the installation time and use of materials. The application temperatures range from -15° to $+40^{\circ}$ C and the operating temperature ranges from -40° to $+90^{\circ}$ C for long-term temperature exposure and up to $+150^{\circ}$ C for short-term temperature exposure depending on the mortar variant.

Your advantages / Product description

Advantages

- The injection mortar FIS SB achieves a really high load level thanks to its bond strength.
- Variable anchorage depths from 4x to 20x the threaded rod diameter enable perfect adaptation in line with the load to be applied, thus ensuring an optimised installation time and use of materials.
- Top application temperatures of up to $+150^{\circ}\text{C}$ open up new usage areas for bonded anchors.
- The processing of the mortar is even approved down to a chilly -15°C .
- In combination with the internal threaded anchor RG MI, this product enables surface-flush removal and the reuse of the fixing point. This provides top flexibility.

- The standard threaded rod FIS A can be set for light dynamic loads with the mortar injection system FIS SB in the sizes M12 and M16 in steel grade 8.8 or in the sizes M12, M16, M20 and M24 in stainless steel R and the fischer filling set.

Application and approval

Applications

- Heavy steel constructions
- Silo installations
- Tall shelving
- Sound barriers
- Guard rails
- Staircases
- Suspensions of pipes, cable trays and suspended ceilings
- Temporary fixings, e.g. for machines
- Scaffold anchoring

Building materials

Approved for anchorings in:

- Concrete C20/25 to C50/60, cracked and non-cracked

Suitable for:

- Natural stone with dense structure
You can find detailed information on building materials in the approval document.

Approval

- ETA-13/0651
- ETA-12/0258
- ETA-19/0501
- DoP No. 0165
- DoP No. 0349
- DoP No. 0352
- ESR-3572
- GS 3.2/11-243-2
- EPD-Kiwa-EE-000431-EN

Assembly instruction

Functionality

- The injection mortar FIS SB is based on a vinyl ester hybrid with silane technology. It is suitable for pre-positioned and push-through installation and can be used with the threaded rod FIS A or the internal threaded anchor RG MI.
- Resin and hardener are stored in two separate chambers and are not mixed and activated until dispensed through the injection cartridge.
- The mortar is extruded bubble free from the drill hole base.
- The mortar bonds the entire surface of the anchor with the drill hole wall and seals the drill hole.
- With push-through installations, the annular gap between the threaded rod and fixture is filled with the injection mortar FIS SB.