

## FIX-O-FLEX F

### Properties:

*FIX-O-FLEX F* is a single-component adhesive and sealing mass on silyl-modified polymer base (SMP) which hardens through moisture to an elastic product.

Due to its self-smoothing property, as well as its high chemical resistance, *FIX-O-FLEX F* is recommended for many special applications in horizontal and vertical areas. In case of joint remediation, e.g. in association with acrylate gels or TPH water-swelling-rubber, *FIX-O-FLEX F* serves as a permanently-elastic joint grouting, if possible movements of the joint are less than 10 %.

*FIX-O-FLEX F* is even suitable for bonding on moist bases, it has a good ultraviolet resistance and it is capable of taking a coat of paint.

Because of its viscosity, *FIX-O-FLEX F* is suitable for horizontal and vertical coatings (filler layer).

### Field of application:

- Bonding and sealing primer-free on polyester (GFK), PVC, acrylic glass, polystyrene, macrolon, steel, stainless steel, aluminum, concrete, clinker, marble, glass and wood
- Sealing compound for chemically-contaminated joints, where small movements are to be expected (max. 10 % movement take-up)
- Seals and bonds on moist bases as well
- Horizontal / Vertical coatings of e.g. containers, catchbasins, canal shafts
- Filling and locking of e.g. connecting joints, penetrations and outbreaks, also in the area of conduit systems and sewage plants

### Technical data:

Consistence	:	Self-leveling
Color	:	Black
Odor	:	Odorless
Dynamic viscosity	:	Approx. 5500 mPas
Gravity	:	1.5 g/cm <sup>3</sup>
Skin formation time **	:	Approx. 1 hour
Through hardening **	:	Approx. 2 mm / 24 hours
Hardness *	:	Approx. 55 (Shore A type)
Max. movement take-up	:	10 %
Elongation at break	:	Approx. 500 %
Shrinkage	:	Max. 0.3 %
Processing temperature	:	5 - 40°C (component part temperature)
Temperature resistance	:	Approx. -40 to +90°C
Form of delivery	:	8 kg tin buckets
Storage	:	Cool and dry, in original containers approx. 12 months

(\* Measured after 4 weeks hardening at 23°C / 50 % rel. humidity)

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### Processing:

The bases must be solid, load-bearing, clean and free from separating substances (lubricants, oils

etc.). The bases must not contain any tar-content materials, since otherwise the adhesion is reduced. The application on fresh bitumen is not to be recommended for the same reason. On old bitumen an adhesion can be achieved of max.  $0.45 \text{ N/mm}^2$ , provided the surface is grease-free.

*FIX-O-FLEX F* should be applied uniformly with pressure on the adhesion surface. For this purpose we recommend the utilization of e.g. a grooved trowel or a polished scoop. Opened containers should be used as soon as possible. In case of processing of *FIX-O-FLEX F* as grouting, a funnel or a watering can be used for pouring it into horizontal joints for easier processing. In case of application as a coating, a wet layer thickness of 3 mm should be achieved.

Adhesion to plastics which are difficult to bond, such as e.g. PE or PP (polyolefins), should be tested beforehand. In case of application on coated substrates, a preliminary examination of the compatibility is necessary.

The adhesion to matte moist concrete bases is as similar high as on dry, primed concrete. On contact surfaces, such as e.g. aluminum, galvanized sheet metal, PVC, P5, Macrolon and others, *FIX-O-FLEX F* is usable without primers. In case of severely weathered surfaces, a pretreatment with *FIX-O-FLEX primer* for dry bases and *HYDROPOX* for moist bases can be necessary.

The full hardening time is dependent on moisture and temperature. The full hardening times can be foreshortened by increasing the temperature and moisture.

**Note:**

*FIX-O-FLEX F* contains no solvents, plasticizers, isocyanates or silicones. It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the safety data sheet. Also, in case of products not subject to mandatory identification marking, precautions usual in case of chemical products are to be considered.

*FIX-O-FLEX F* contains aminosilanes which can cause allergic reactions.

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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