

## FIX-O-FLEX VG

### Properties:

*FIX-O-FLEX VG* is a single-component adhesive and sealing compound on the basis of silane-modified polymers which hardens to an elastic product when subjected to humidity.

*FIX-O-FLEX VG* is highly recommended for the grouting of horizontal joints where movement is to be expected.

*FIX-O-FLEX VG* acts as a permanently elastic joint seal for joint renovation, e.g. in combination with acrylate gels or TPH hydrophilic rubber.

*FIX-O-FLEX VG* is suitable for the water-pressure-tight sealing of blanking plugs in the case of fibre-cement formwork tie rods or balcony sealing (see test certificates).

*FIX-O-FLEX VG* is even suitable for adhesion on slightly moist subsurfaces.

*FIX-O-FLEX VG* is solvent-free, has low shrinkage and is coating compatible in terms of DIN 52452, part 4.

### Special advantages of FIX-O-FLEX VG are:

- solvent-free and odourless
- no bubble formation
- very low shrinkage when setting
- wide adhesion spectrum
- silicone-free and isocyanate-free
- good UV resistance

### Technical data:

#### Substance data:

Consistency	viscous	
Colour	black	
Odour	hardly noticeable	
Spec. density (23°C)	approx. 1.24 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 10-15 Pas	DIN EN ISO 2555

#### Reaction data (23°C):

Processing temperature	5 - 35°C	substrate temperature
Tack-free time *	approx. 25 min	ASTM C679
Setting process *	approx. 3 mm/24 h	

#### Properties of cured mastic:

Tensile strength	approx. 0.4 N/mm <sup>2</sup>	DIN EN ISO 527
Elongation at break	approx. 350 %	DIN EN ISO 527
Shore A hardness	approx. 25	DIN ISO 7619-1
Temperature resistance	-30 to +80°C	

(\* measured at 23°C / 50 % rel. humidity)

### Processing:

The surfaces shall be firm, sustainable, clean, dry and free of separating substances (fats, oils, etc.). The surfaces shall not contain substances containing tar, as otherwise the adhesion is reduced. The application on fresh bitumen is not recommended for the same reasons. On old bitumen an

adhesion can be reached of maximum 0.45 N/mm<sup>2</sup>, as long as the surface is free of grease.

For cleaning of surfaces we recommend using of *FIX-O-FLEX HAFTGRUND*. For high sucking groundings like weathered concrete, gypsum, aerated concrete etc. the use of *FIX-O-FLEX PRIMER* is recommended.

The adhesion on hard-to-bond plastics such as PE or PP (polyolefine) should be tested before beginning. When applying on coated surfaces a preliminary test of compatibility is necessary.

Opened containers should be used up as soon as possible.

The full hardening time depends on the humidity and temperature. By increasing the temperature and humidity the full hardening time can be reduced.

Tack-free time and setting time can be reduced by adding max. 2 % of *FIX-O-FLEX BOOSTERPASTE* (see table below).

Pot-life depending on amount of BOOSTER and temperature:

<b>30 °C</b>	82 min	20 min	14 min	13 min	12 min
<b>20 °C</b>	90 min	32 min	20 min	17 min	15 min
<b>10 °C</b>	96 min	59 min	26 min	24 min	20 min
<b>5 °C</b>	152 min	62 min	32 min	30 min	27 min
	<b>0.25 %</b>	<b>0.5 %</b>	<b>1.0 %</b>	<b>1.5 %</b>	<b>2.0 %</b>

(Pot-life measured at 50 % rel. humidity)

**Safety information:**

*FIX-O-FLEX VG* is not classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

Even in the case of not classified products, the standard precautionary measures applicable for chemical products should be observed.

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

**Packaging:**

290 ml cartridge

14 kg metal drum

Bigger packaging on request.

**Storage:**

Shelf life at least 6 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

**Disposal:**

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

**Test certificates:**

Tightness test of fibre-cement tie bars sealed with *FIX-O-FLEX VG*; MFPA Leipzig 2003

Resistance of *FIX-O-FLEX* standard, *FIX-O-FLEX H* and *FIX-O-FLEX VG* to highly concrete-attacking fluids and sulfuric acid pH 1; MFPA Leipzig 2003

Technical application test of a balcony waterproofing with *FIX-O-FLEX VG*; MFPA Leipzig 2004

**Legal notice:**

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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**TPH.**  
*Waterproofing Systems*