

FIX-O-FLEX UG

Properties:

FIX-O-FLEX UG 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 UG is recommended for several special applications in horizontal areas due to its self-leveling (self-smoothing) property as well as its good chemical resistance.

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

Special advantages of FIX-O-FLEX UG 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. 1.2 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 3 Pas	DIN EN ISO 2555

Reaction data (23°C):

Processing temperature	5 - 35°C	substrate temperature
Tack-free time *	approx. 10 min	ASTM C679
Setting process *	approx. 3 mm/24 h	

Properties of cured mastic:

Tensile strength	approx. 0.2 N/mm ²	DIN EN ISO 527
Elongation at break	approx. 110 %	DIN EN ISO 527
Shore A hardness	approx. 25 - 30	DIN ISO 7619-1
Temperature resistance	-30 to +80°C	

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

Chemical resistance

DIN EN ISO 175

Classification:

- + resistant (non or little effect)
- +/- limited resistant (moderate effect)
- not resistant (serious effect)

Chemical compound	Classification	Remarks
Petrol	+/-	Test period: 28 d, resistant for 72 h
Diesel fuel	+/-	Test period: 28 d, resistant for 72 h
Mineral oil 15W40	+	Test period: 28 days
Hydraulic oil	+/-	Test period: 28 d, resistant for 72 h
Road salt (saturated solution)	+	Test period: 28 days
Municipal wastewater (sulfuric acid pH 1)	+	Test period: 28 days

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/mm², 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 BOOSTER PASTE* (see table below).

Pot-life depending on amount of BOOSTER and temperature:

30 °C	68 min	34 min	16 min	14 min	13 min
20 °C	73 min	38 min	22 min	19 min	16 min
10 °C	90 min	47 min	28 min	24 min	22 min
5 °C	116 min	71 min	35 min	28 min	26 min
	0.25 %	0.5 %	1.0 %	1.5 %	2.0 %

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

Safety information:

FIX-O-FLEX UG 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:**

12 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.

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.

TPH Bausysteme GmbH
Nordportbogen 8
D-22848 Norderstedt

Tel.: +49 (0)40 / 52 90 66 78-0
Fax: +49 (0)40 / 52 90 66 78-78
e-mail info@tph-bausysteme.com
Web www.tph-bausysteme.com

