KOR-O-FLEX F

Properties:

KOR-O-FLEX F is a one-component, pasty adhesive compound based on silane-modified polymer, which hardens through humidity to a flexible product.

KOR-O-FLEX F can be used as adhesive on concrete, steel, stainless steel etc. for *PROOFMATE FD* sealing membranes and *PROOFMATE EK* profiles based on EPDM.

KOR-O-FLEX F is suitable for bonding even on slightly moist subsurfaces.

KOR-O-FLEX F is solvent-free, silicone-free, does not contain isocyanates and plasticiser based on phthalate, has low shrinkage and can adheres to a wide range of substrates.

Technical data:

Substance data:		
Material basis	SMP	
Consistency	low-slump, pasty	
Colour	black, white, grey	
Odour	hardly noticeable	
Spec. density (23°C)	approx. 1.5 (+\- 5) g/cm^3	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 2000 Pas	DIN EN ISO 2555
Reaction data (at 23°C):		
Processing temperature	5 - 40°C	substrate temperature
Tack-free time *	approx. 15 min approx.	ASTM C679
Setting process *	3 mm/24 h	
Properties of cured adhesive:		
Tensile strength	approx. 2 N/mm^2	DIN EN ISO 527
Elongation at break	approx. 600 % approx.	DIN EN ISO 527
Shore A hardness	40	DIN ISO 7619-1
Temperature resistance	-30 to +80°C	
Pull-off strength at concrete		DIN EN 1542
dry	approx. 1.65 N/mm^2	
slightly moist	approx. 1.15 N/mm^2	

(* 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^2, as long as the surface is free of grease.

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

For further information, please refer to the Technical Data Sheets of *PROOFMATE FD* sealing membrane and *PROOFMATE EK* profiles.

Safety information:

KOR-O-FLEX F 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:

600 ml aluminium foil sausages

Bigger packaging on request.

Storage:

Shelf life at least 9 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 Company. This approval can only be obtained by the quality assurance department of Company 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.