

## **HYDROPOX FLEX F**

### **Properties:**

*HYDROPOX FLEX F* is a 2-component epoxy resin fine mortar (PC mortar) for repairing interior and exterior concrete surfaces.

Due to its specific grading curve *HYDROPOX FLEX F* can be applied as a fine filling compound.

The particular material basis of *HYDROPOX FLEX F* makes application even on slightly moist subsurface possible.

Due to its flexibility *HYDROPOX FLEX F* is better suited for absorbing movements and vibrations of the structural component than rigid PC mortar.

### **Technical data:**

#### Substance data of components:

##### *Component A*

Consistency	highly viscous	
Colour	grey	
Odour	characteristic	
Bulk density (23°C)	approx. 1.60 g/cm <sup>3</sup>	DIN EN 1015-6
Dyn. viscosity (23°C)	not applicable	DIN EN ISO 2555

##### *Component B*

Consistency	liquid	
Colour	light yellow	
Odour	similar to amine	
Spec. density (23°C)	approx. 0.99 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 20 - 40 mPas	DIN EN ISO 2555

#### Mixture of A- and B-component:

Processing temperature	10 - 30°C	substrate temperature
Density of mixture (23°C)	approx. 1.65 g/cm <sup>3</sup>	DIN EN 1015-6

#### Reaction data (at 20°C):

Pot-life	approx. 60 min
Dust-dry	approx. 6 h
Food traffic	approx. 24 h
Completely cured	7 d

#### Properties of PC mortar (at 23°C/ 50 % rel. humidity):

Compressive strength		DIN EN 12390-3
1 d	approx. 16 N/mm <sup>2</sup>	
7 d	approx. 22 N/mm <sup>2</sup>	
Bending tensile strength (7d)	approx. 10 N/mm <sup>2</sup>	DIN EN 12390-5
Bond strength hat concrete		DIN EN 1542
dry	approx. 2.1 N/mm <sup>2</sup>	
slightly moist	approx. 3.0 N/mm <sup>2</sup>	

### **Processing:**

The subsurface must be stable and free of separating substances. Insufficiently firm layers and concrete slurry must be removed. For this purpose the subsurface must be prepared by suitable mechanical processes such as e.g. shot blasting, milling and subsequent shot blasting or blasting with other hard blasting abrasives.

*HYDROPOX FLEX F* is supplied in a set defined mix-ratio of components (A : B). For the processing, the B component (hardener) is completely filled into the A component (resin mixture) and homogenously mixed by means of a slowly moving stirring device (max. 60 rpm) until an uniformly grey colouring is produced.

Mixing must be carried out for at least 3 minutes. The mixture must be used up within 60 minutes (at 20°C).

Surfaces should be treated with *HYDORPOX EPG* immediately prior to applying *HYDROPOX FLEX F*. *HYDROPOX FLEX F* should be applied in a thick layer with a flat end trowel over the freshly treated surfaces and worked in well.

**Safety information:**

*HYDROPOX FLEX F* component A contains epoxy resin.

*HYDROPOX FLEX F* component B contains amines. Both components are classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

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:**

Combined packaging

10 kg combined metal drum

30 kg combined 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.

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**TPH.**  
*Waterproofing Systems*