

HYDROPOX FLEX EPG

Properties:

HYDROPOX FLEX EPG is a flexible, 2-component reaction resin on an epoxy basis with specific chemical and physical properties.

HYDROPOX FLEX EPG is used as a priming resin in concrete renovations; especially on concrete surfaces on which cracking may occur.

The particular material basis of *HYDROPOX FLEX EPG* makes application on slightly moist subsurface possible (see pull-off resistance).

Technical data:

| | | |
|----------------------------------|---|--|
| Storage | : | dry between 15 and 25°C, in original containers approx. 6 month if protected from frost and direct solar irradiation. |
| Processing temperature | : | 10 - 30°C (temperature of structural component) |
| Processing time | : | approx. 60 min. (20°C) |
| Ratio of component A : B | : | 100 : 44 (weight %); 100 : 50 (vol.%) |
| Mixture viscosity | : | approx. 500 mPas (DIN 53217) |
| Complete curing | : | 6 h (completely dry), 24 h (walkable), 7 d (completely cured) |
| Pull off resistance on concrete* | : | 2.13 N/mm ² (dry subsurface; fracture appearance KB**) 3.00 N/mm ² (slightly wet subsurface; appearance KB**) |
| Delivery form | : | 5.5 kg A tin can; 2.4 kg B tin can |

* Pull-off resistances indicated are average values. Determination of the actual pull-off resistance of individual batches could produce slightly differing values, this in no way affects product suitability.

** KB = cohesion fracture in concrete (fracture in the material)

| | A component | B component |
|-------------------------------|--------------------------------|--------------------------------|
| Consistency | fluid | fluid |
| Colour | light yellow | light yellow |
| Odour | characteristic | amine-like |
| Specific Density (20°) | approx. 1.14 g/cm ³ | approx. 0.99 g/cm ³ |

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 e.g. shot blasting, milling and subsequent shot blasting or blasting with other hard blasting abrasives.

The components are stirred in the indicated mixing ratio by means of a slowly moving stirring device (max. 300rpm) until an homogenous (free of streaks) fluid is produced. Whereby you should take care that the B component is evenly dispersed. Mixing must be carried out for at least 3 minutes. The mixture must be used up within 30 minutes.

HYDROPOX FLEX EPG is applied by means of a rubber pusher (or with a brush if the subsurface to be treated is small) until the subsurface pores are fully saturated and subsequently treated with a short-hair lambskin roller.

The subsequent application of *HYDROPOX* mortars has to be fresh in fresh to avoid the development of separation layers.

Using *HYDROPOX FLEX EPG* as sole concrete protection (without the subsequent application of *HYDROPOX* mortars) the coating has to be done in two layers, whereas the first layer can be worked over after approx. 6 h.

When coating concrete areas are in direct solar irradiation the second layer has to be spread with siliceous sand.

Please note:

HYDROPOX FLEX EPG has to be appropriately marked in compliance with the valid EU directives. For this reason the precautionary measures and safety recommendations included in the Safety Data Sheet must be read and understood prior to starting work.

Proper and as a result successful use of our products is beyond our control. For this reason we can only guarantee the quality of our products within the framework of our Terms and Conditions of Sale and Delivery, not, however, for their successful processing. All data and information in these instructions are based on the latest state-of-the-art technology, we expressly reserve the right to make modifications or adaptations to the development. The consumption data quoted by us can only be average experience values, deviations in individual cases are possible and can therefore not be excluded.

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