

KÖSTER KB-Pox IN

Low viscosity, epoxy injection resin for structural repair of cracks

Product Description:

Turkish brand name> KÖSTER KB-Pox IN

KÖSTER KB-Pox IN is a solvent free, low viscosity, two component epoxy injection resin for structural repair of cracks.

Due to its high compressive and adhesive tensile strength, KÖSTER KB-Pox IN permanently seals cracks and joints where structural strength is required.



Technical Data:

Compressive strength DIN 53454	>70,0 N / mm ²
Flexural strength DIN 53452	> 35,0 N / mm ²
E-module DIN 53457	3000 N / mm ²
View - A component	liquid
View - B component	liquid
Color - A component	clear transparent
Color - B component	yellowish transparent
Viscosity	600 – 800 mPa.s (+23°C)
Density	1,02 gr / cm ³
Pot life	app. 35 minutes (+20°C / 1 lt)
Reaction time	app. 1 hour

Cure completion time _____ app. 7 days

Uygulama sıcaklığı _____ min. +5°C

Mixing ration _____ 1 : 0,80 – A : B (weight)

Field of Application:

KÖSTER KB-Pox IN is used in cases where crack flanks or unequal structural members have to be bonded together and acquire structural strength.

Mixing:

The A and the B component are recommended to be mixed at 20°C in the above stated mixing ratio using a slowly rotating electrical mixer preferably equipped with a KÖSTER Resin Stirrer. The material must be mixed until it is streak free and homogeneous in appearance.

Mix only that quantity that can be used within its pot life.

Application:

To Gravity Feed Cracks - Blow vee-notched crack clean with oil-free compressed air. Pour mixed material into vee-notched crack.

Continue placement until cracks are completely filled. Prior to filling, seal underside of slab if cracks reflect through.

To Pressure Inject Cracks - Use KÖSTER Manual Injection Press or electrical injection pump.

The placement of the injection packers depends on the course of the crack. Use KÖSTER KB-Pox Adhesive or KÖSTER Chemifix 100 to seal the cracks. When the seal has cured, inject KÖSTER KB-Pox IN with steady pressure. Consult Technical Service for additional information.

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Consumption:

Approx 1,1 kg / l void

Packaging:

KÖSTER KB-Pox IN 9 kg SET



Cleaning of Tools:

Clean tools with suitable polyurethane solvent while still wet.

Storage and Shelf Life: Store in a dry and cool environment (at temperatures above +5C), unopened in its original package. Do not leave in the sun and protect from frost. Shelf life is 6 months.

Caution:

Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye / face protection. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Material Safety Data Sheet.

When carrying out injection works, make sure to protect the surroundings from injection resin that may be discharged from the wall, packers, boreholes etc. due to the pressurized mode of injection or accidentally. Do not stand directly behind the packers during injection.

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