Epoxy injection systems

Product Description

EPOKSIN is used for restoring cracks in concrete, stone and other building materials. It shows excellent mechanical characteristics and resistance against chemical and atmospheric influences. A remarkable low inner tension of contracting during curing allows excellent adhesion.

Consumption

1,0 kg/dm^3 for unfilled injection system
1,5 kg/dm^3(0,75 kg of binder +0,75 kg of filler I) for filled injection system

Advantages

EPOKSIN is a low viscosity, two-part epoxy system based on modified epoxy resin and amine hardener various reactivity.

According to reactivity EPOKSIN is delivered in three various variants:

EPOKSIN R is a high reactive fast binding variant, good for work at temperatures from 5-15 ˚C, in conditions when reliable dryness of the substrate cannot be provided or due to short time of curing.

EPOKSIN N is a medium reactive variant, good for work at temperatures from 15-25 ˚C.

EPOKSIN S is a low reactive variant, good for work at temperatures from 25-35 ˚C.

INSTRUCTION FOR USE

EPOKSIN part A and EPOKSIN part B join in a suitable vessel and mix until complete homogenization. Mixing can be done with hand for up to 3 kg weight of material but for larger mass mixing must carry out with an electric stirrer or an electric drill with an appropriate mixer. Mixing and applying EPOKSIN must be carried out at an interval specified-time of working taking care of the temperature which strongly influences on the time of installation. Wider horizontal cracks can be filled with EPOKSIN by simply pouring, without the use of injection equipment. EPOKSIN can be used in combination with filler in a weight ratio 1:1 for cracks wider than 0.8 mm, without any negative consequences for the quality of the connection. EPOKSIN can be used in combination with filler in a weight ratio 1:1 for cracks wider than 0.8 mm, without any negative consequences for the quality of the connection. The low viscosity allows for deep penetration into a narrow crack at low injection pressure.

Not recommended for bonding construction elements under conditions of prolonged exposure to temperatures above 60 ° C.

Certificate

Report of quality No. UIV -338/11, Institute IMS, Belgrade
SRPS G.S2.613 Plastics - Determination of compressive properties of thermosetting plastics.
SRPS G.S2.614 Plastics - Bending test.
SRPS EN ISO 4624 Paint and varnishes - Pull-off test for adhesion.

TECHNICAL SPECIFICATION

Volume Mass of Bound Material	1,198 g/cm^3
Time of Use	45 min
Compressive Strength	93 MPa
Flexural Strength	112 MPa
Adhesive Strength	> 5 MPa (100 % concrete failure)
Storage	Stored in a dry place at temperature over +15°C .
Pot life	~30 min
Necessary Tools	Tools for injection
Tool cleaning	Tools should be washed in solvent immediately after use.
Shelf Life	6 months minimum in unopened package

SAFETY REGULATIONS AND SAFETY AT WORK

The use of safety and personal protective equipment is obligatory. Observing the fire fighting measures is required. The physical, safety-technical and ecological data and regulations in work with chemical materials, as well as storage and waste removal must be observed.

STATEMENT ON LIMITED LIABILITY

All information mentioned in this technical sheet have been transferred faithfully and conscientiously and they are based on our knowledge. The obligation in the warranty period is limited to the quality of the delivered goods. In cases of important building enterprises or if there are problems you are to ask advice from our technical service.

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