

CRES[®] INJECT PUF - 2K

Polyurethane flexible injection resin for temporary waterstopping

CRESINJECT PUF 2K is two components low viscous polyurethane injection system uses to stop water flow temporarily. System consists Component A is Resin and Component B is Hardener. Both the components viscosity is lower, reacted polymer is flexible, foaming structure at presence of water. System work well from the range from the range summer to winter. Injected two components react with plenty of water yields low dense foam to arresting the water flow.

APPLICATION RANGE

KANZ strongly endorses **CRESINJECT PUF - 2K** to be used only by trained and experience professionals. **CRESINJECT PUF - 2K** is used to stop the water flow in the concrete cracks and water seeping due to either ground water pressure or water storage pressure. **CRESINJECT PUF - 2K** reacting with water and stop the water flow with foam elastic properties. **CRESINJECT PUF - 2K** temporarily stopping water flow instructions in crack, joint and cavities in concrete, masonry and special applications such as micro-tunneling. **CRESINJECT PUF-2K** must be injected in order to achieve temporary water stopping then must be injected.

ADVANTAGES

Resin and Hardener are low viscous system, easy to handle in injection machine at climatic conditions between 10 °C to 45 °C. Foaming reaction takes place at presence of water only. Free foaming expansion approx. >30 times based on water intake. Reaction speed can be adjustable according to climatic condition. Both resin and hardener packed according to mixing ratio.

PACKAGING

CRESINJECT PUF - 2K is supplied several packing size from 2 liter & 10 liters.

STORAGE & SHELF LIFE

CRESINJECT PUF - 2K storage conditions must be between 10 °C to 30°C and 12 months shelf life period if container is unopened and undamaged packaging conditions.

HEALTH, SAFETY, ENVIRONMENTAL, QUALITY (HSEQ)

User must read the most recent corresponding Method Safety Data Sheets (MSDS) before using any products. The MSDS provides information and advice on the safe handling, storage and disposal of chemical products and contains Physical, ecological, toxicological and other safety-related data.



TECHNICAL PROPERTIES

Description	Value	Standard
Component A-Resin	Colourless	-
Component B-Resin	Brown	
Viscosity, @25°C	A: 300(±150) B: 250(±150)	ISO 3219
Expansion in crack, %	13.4	EN 12618-2
Density, @25°C	A: 1.03(±0.05) A: 1.20(±0.05)	ISO 2811
Substrate	10°C to 35°C	-
Mixing Ratio, @Volume	A: Resin B: Component (100:100)	Internally
Chemical Reactivity, @25°C, Secs	Cream Time: 10±5 Rise Time: 50±10 Expansion Rate: > 30 times	Internally

All values given are subject to 5-10% tolerance

APPLICATION INSTRUCTION

STEP 1: Mix 1:1 by volume ratio of component A and B.

STEP 2: The packing size is supplied accordingly to the required mixing ratio of 1:1 parts by volume.

STEP 3: Both A & B cans transfer into mixing vessel until both cans are empty and start mixing the container slowly & thoroughly for at least 3-5 minutes with rpm range 300 -500 until homogeneous.

STEP 4: After mixing pour the material into the pump's feed container.

STEP 5: Mix thoroughly and apply before the pot life of the system.

STEP 6: Use the injection pumps suitable for single part Injection products.

CLEANING

As part of machine and accessories maintenance clean all the tools and application equipment using recommended cleaning products.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.