

CRES[®]INJECT PUR 2K

Elastic PUR-Injection resin for permanent watertight sealing

CRESINJECT PUR-2K is a very low viscous, elastic and solvent-free polyurethane injection resin. In contact with water, a uniform closed and therefore watertight pore structure forms, which is elastic and flexible. Suitable for use in hot and tropical climatic conditions.

USES

- **CRESINJECT PUR-2K** is used for permanent water tight sealing with some flexibility to absorb limited movement in dry, damp or water-bearing cracks and joints in concrete, brickwork and natural stone.
- **CRESINJECT PUR-2K** can be used for the injection of the **CRESINJECT** system.
- For use in water-bearing cracks under hydrostatic pressure, preliminary injection shall be made with **CRESINJECT** system.

ADVANTAGES

- No shrinkage in subsequent dry conditions, Due to its low viscosity it can penetrate into cracks >0.2 mm in width.
- Permanently elastic, can absorb limited movements.
- Cured **CRESINJECT PUR-2K** is inert and chemically resistant.
- Solvent-free In cold temperatures (< +10°C) **CRESINJECT PUR-2K** can be accelerated using **CRESINJECT** system.
- Can be injected as a one component system

PACKING

CRESINJECT PUR-2K is supplied with 2 L and 10 L kit with two component base and hardner.

SURFACE PREPARATION

Surfaces of cavities and cracks need to be clean, free of loose particles, dust, oil and any other bond breaking substances. Any dirt must be blown out by compressed air.



MIXING

Empty parts A and B into a mixing vessel and mix slowly and thoroughly for at least 3 min (max. 250 rpm) until homogeneous, observing the safety precautions. The containers are supplied according to the required mixing ratio of 1 : 1 parts by volume. Partial quantities can be measured out into separate vessels. After mixing, pour the material into the pump's feed container, stir briefly and use within the pot life. If the substrate and/or ambient temperatures are <+10°C, **CRESINJECT PUR-2K** can be added to accelerate the reaction time.

APPLICATION

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions. Use injection pumps suitable for single part injection products.

IMPORTANT CONSIDERATIONS

Only for application by trained and experienced professionals.
For water intrusions that can not be stopped with **CRESINJECT PUR-2K**, the fast foaming **CRESINJECT PUF-2K** can be injected until the water flow stops.

STORAGE AND SHELF LIFE

CRESINJECT PUR-2K must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging. 12 months from the date of manufacture.

CLEANING

Clean all tools and application equipment using the our cleaning system products.

HEALTH AND SAFETY

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	
Color	Part A (Resin)	Pale yellow
	Part B (Hardener)	Brown
Viscosity,cP @25°C, Spindle#4, 10 RPM	Part A (Resin)	220
	Part B (Hardener)	240
Ambient air temperature	+5 °C min. / +35 °C max.	
Substrate temperature	+5 °C min. / +35 °C max.	
Mixing ratio	Part A : Part B = 1:1 by volume	
Viscosity,cP @25°C, Spindle#4, 10 RPM	220 (Part A+B)	
Shore A hardness	~52	
Modulus of elasticity in flexure	~5.5 MPa	
Tensile strain at break	~46 %	

All values given are subject to 5-10% tolerance

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.