

WHITECHEM PU INJ 104

1 – PRODUCT DESCRIPTION

WHITECHEM PU INJ 104 is a single component polyurethane prepolymer used with 10% catalyst. The product reacts only when coming into contact with water and forms spontaneously a compact, viscoplastic, waterproof polyurethane foam.

2 – FEATURES & BENEFITS

- Remains viscoplastic, able to follow crack movements.
- Permanent seal.
- Subsequent injections not needed.
- Solvent-free.
- Resistant to hydrolysis.

3– APPLICATION AREAS

Single stage sealing of water bearing cracks in concrete and masonry using pressurized injection systems without necessitating subsequent injections with a massive resin.

4 –APPLICATION PROCEDURE

Mixing: The resin and the catalyst are recommended to be mixed at 20°C in the above stated mixing ratio using a slowly rotating electrical mixer. The material must be mixed until it is streak free and homogeneous in appearance.

Application Method: The ready mixed material is not storable and must be used up immediately. The mixture can be processed using customary single component injection pumps. Prior to the injection, the cracks to be worked on are sealed using Akfix EPR 350. Along the course of the crack, holes are drilled at a distance of 10 to 15 cm to each other on alternating sides of the crack. Packers are inserted into the injection holes and (if possible) injected proceeding from the bottom to the top. The diameter of the holes depends on the packers used.

5- PACKAGING

5.5 Kg SET and 27,5 kg SET

6- SHELF LIFE & STORAGE CONDITIONS

6 months when stored dry and cool, in original sealed containers.

7- TECHNICAL FEATURES

Physical Properties

Volume Expansion	x30 times max
Colour	brown
Consumption	Approx. 0.1 kg/lt void
Viscosity (mixing > +25 °C)	300 mPa.s
Density (mixing)	1,1 gr / cm ³
Density (after reaction)	0,1 gr / cm ³
Solid matter ratio	100%
Mixing ratio (by weight)	10 : 1 – A : B
Mixing ratio (by volume)	12 : 1 – A : B

DISCLAIMER

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