

TOP INJEKT 70

2'K High strength Injection Resin

PRODUCT DESCRIPTION

TOP INJEKT 70 is a two part system is solvent-free, low viscosity high compressive strength resin based system designed to form a strong permanent bond and seal in cracks in dry, damp and wet concrete.

USES

- Used to form bowl-shaped sealing layers around construction, since it adhere well to sand and concrete (wet or dry).
- For injecting into cracks for, dry, damp or wet concrete and also loose soil stabilization.
- Sealing and stabilizing of cracks and cavities in loose rock, mountain rock and similar areas.

ADVANTAGES

- Even underwater, it provides very effective sealing, bonds with the above sealing materials and sealing foils.
- Low viscosity allows penetration into fine cracks.
- Good adhesion to dry/wet substrates.
- High tensile strength, withstands high hydrostatic pressure.
- Displaces water optimally.
- Formulated to use in hot climates.
- Flexible to withstand differential movement.
- On contact with water the product forms rigid foam to arrest water in leakages.
- It increases the strength and stiffness of cracks, voids, cavity filling in structure.
- Without presence of water the product also reacts and forms of hard substances.
- While contacting with water the reaction of the substance is completed with in a short period of time.

APPLICATION

Before injection, the structure's cracks and voids, respectively the leakage, have to be inspected according to technical standards and regulations, and an injection concept is to be prepared. High-pressure injection packers with adequately sized Nozzles must be placed.

TOP INJEKT 70 using a two-components, component A (Base) and component B(Hardener). The components are mixed in the ratio of 1:1 mixing head of a two-component Injection-pump with suitable static mixer. (e. g.30 cm spiral static mixer or 20 inline static mixer).and because of its long reaction time it can be used in Single Component Injection Pump.

TOP INJEKT 70 comes into contact, or is mixed with water, parts of it turn into a hard flexible, closed cell foam.

To achieve the best mixing of the components during injection, the inclusion of a static in-line mixer in connection with the mixing head is strongly advised. The length of the static mixer should be approximately.

Cleaning: Within the pot life of the resin those parts of the pump containing the mixed resin can be flushed with NC Thinner. In the case an interval longer then the resin's pot life the injection pump should be thoroughly flushed with NC Thinner.

TECHNICAL DATA

Characteristic	Unit	Result	Test Methods
Compressive Strength	N/mm ²	61.1 @ 7days 65.5 @ 28 days	ASTMC-109
Density	g/cc	1.0 1.2	LDM
Viscosity	mPa•s	109	-
Pot Life	Minutes	35	LDM
Flexural Strength	N/mm ²	45.3 @ 7days 59.9 @ 28 days	ASTMC-580
Tensile Strength	N/mm ²	14.9 @ 7days 20.0 @ 28 days	ASTMC-307
Slant Shear Strength	N/mm ²	26.5 @ 7days 29.6 @ 28 days	BS-6319(Part-4)
Hardness A Shore		90	ASTMD-2240
Mixing Ratio	p.b.v	1 : 1	Part A : Part B

PROPERTIES:

Colour	Light yellow
Appearance	Liquid
Application time Minutes	Approx 40

PACKING:

Part A: 20 & Part B: 20 and 200 Kg Drums.

SHELF LIFE:

Twelve months, if kept carefully in unopened condition.

HANDLING & STORAGE:

Should be stored in a dry and cool place away from direct sunlight. Before use the container should be shaking well.

HEALTH & SAFETY ADVICE:

Wear protective clothing's, safety shoes and gloves during the application of the material and when cleaning the equipments. The use of a suitable skin care cream is recommended. In case of contact with skin wash with soap and water. In case of contact with eyes rinse immediately with clean water and seek medical advice immediately.

Warning:

This information is believed to be accurate but all recommendations are made without warranty, since the conditions are beyond the company's control. Confix disclaims any liability in connection with the use of information, and does not warrant against infringement by reason of the use of any of its products in combination with other materials or in any process RevisionNo.:00/2017.