

### Description

Elastic to highly flexible, solvent-free polyurethane injection resin which is suitable for stopping active water ingress in masonry, concrete and natural stone by reacting with water.

### Fields of Application

- The injection of water-bearing cracks and joints in concrete, masonry and brick,
- Stopping of water inflows from cracks, cold joints, etc.
- Waterproofing of water tanks and swimming pools,
- Stopping the water leakage on tunnel coating concretes and diaphragm walls.

### Properties

- Permanently elastic.
- No shrinkage in subsequent dry conditions.
- Due to its low viscosity it can penetrate into cracks quickly and easily.

### Preparation of Substrates

- Existing injection route has to be bored in a distance of approx. 15-20 cm.
- The boreholes have to be cleaned with oil free pressure air from the dust.
- Place the injection packers at an angle of 45 ° to the crack.

### Application

- Empty component resin and catalyst at the given mixing ratio into a bucket (make sure that the containers are completely empty) and mix homogenously.
- Transfer the mixed material to the 1C pump hopper.
- Inject Tecnica 3400 Inject with the suitable injection equipment.
- Tecnica 3400 Inject reacts quickly with water, creates foam and stop the water immediately.
- Once Tecnica 3400 Inject has cured, remove the packers, clean and close the drill holes with 4004 Tamirart S40 or 4005 Tamirart 40 non-shrinking mortar.

### Post-Application Protection & Suggestions

- PU injection applications should be applied by trained and experienced professionals.
- During the application, the ambient and surface temperature should not be below +5 °C and above +35 °C.
- The reaction speed is influenced by the temperature of the ambient and the building structure, higher temperatures accelerate, lower temperatures slow down the reaction.
- Tecnica 3400 Inject packaging is ready-to-use. During application, solvents should not be added into the mixture.
- If there is not enough water in the area where Tecnica 3400 Inject is applied, injecting water into the surface before or after the injection supports the reaction.
- Clean tools properly and immediately after use and thoroughly with a suitable cleaning agent.

### Storage

- Packages should be kept dry and cool at between +10°C and +35°C in damp free conditions avoiding direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Shelf life is maximum 6 months under above mentioned storage conditions.

### Packaging

- Resin: 22.5 kg container
- Catalyst: 2.25 kg container

## Technical Properties

(at 23°C and 50% RH)

## General Data

Appearance/Color	Resin : Brownish liquid
	Catalyst : Transparent liquid
Shelf Life	6 months in original sealed packaging
Mixing Ratio (Resin/ Catalyst)	22.5 kg / 2.25 kg
Density	
Resin	~ 1.20 g/cm <sup>3</sup>
Catalyst	~ 1.10 g/cm <sup>3</sup>
Viscosity	450-750 mPa.s

## Application Data

Application Temperature	+5 °C / +45 °C
Reaction Temperature	>+5 °C
Surface Temperature	+5 °C / +35 °C

Tecnica 3400 Inject