

## BC PUR Injection

### Description:-

BC PUR Injection is a very low viscous, elastic and solvent-free polyurethane injection resin. In contact with water, a uniform, closed and therefore water-tight pore structure forms, which is elastic and flexible.

### Uses:

BC PUR Injection may only be used by experienced professionals.

- BC PUR Injection 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

### Characteristics / Advantages:

- Permanently elastic, can absorb limited movements
- No shrinkage in subsequent dry conditions
- Due to its low viscosity it can penetrate into cracks >0.2 mm in wiCured BC PUR Injection is inert and chemically-resistant
- Solvent-free
- In cold temperatures (< +10°C) BC PUR Injection can be accelerated using Sika® Injection-AC20
- Can be injected as a one component system

### Color:

Part A colourless      Part B brown

### Packaging:

Part A 10 kg, 20 kg      Part B 10.6 kg, 21.2 kg

### Shelf-Life:

36 months from date of production if stored properly in undamaged, unopened, original sealed packaging.

### Storage Conditions:

Dry storage at temperatures between +5 °C and +35 °C. Protect from direct sunlight and humidity



## **Consumption / Dosage:**

Material consumption is 2.5 - 6.5Kg/m<sup>2</sup> depending on desired thickness.

## **Substrate Preparation:**

The substrate must be structurally sound and free from all traces of loose material, laitance, oil and grease. Substrates must be saturated surface- dry (no standing water).

## **Mixing:**

Place 2/3 of water quantity into the recipient bulk, add the tile adhesive powder slowly to the water while mixing; the usage of a mechanical mixer with low rotation speed is recommended. Add the remaining 1/3 water and mix until reaching a homogeneous mortar lumps free.

Keep the paste rest for 2 to 3 min prior application.

The exact water needed should be determined based on trials.

## **Product Application:**

Apply BC Tile Adhesive FD on the substrate using a notched trowel in order to achieve a minimum uniform thickness of 2cm . Press firmly the tile into the substrate for certain seconds to ensure good contact with the adhesive. For better and full adhesion, apply BC Tile Adhesive FD on both: back of the tile and substrate

## **Color:**

White

## **Packaging:**

Bag of 20 Kg

Pallet: 50 bags per palette.

## **Storage Conditions / Shelf-Life:**

12 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight. Protect from humidity



## **SUBSTRATE 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.

## **CLEANING OF TOOLS:**

Clean all tools and application equipment with BCI® Thinner C to remove any polyurethane residue immediately after use. Do not leave Thinner C in the injection pump. Hardened/cured material can only be removed mechanically.

## **LIMITATIONS:**

Only for application by trained and experienced professionals.

For water intrusions that can not be stopped with BC PUR Injection, the fast foaming PUR injection resin

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## **LOCAL RESTRICTIONS:**

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## **ECOLOGY, HEALTH AND SAFETY:**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

