

## Product Description

PURSEAL is a low viscosity polyurethane injection system based on a polyol component (Part A) and a polymeric MDI (Part B). PURSEAL is used by injecting into cracks of concrete structure as well as cracks with water leakage. It forms an elastic sealing and repair the cracks permanently. Once cured, the result is an elastic, tough, chemical resistant resin.



## Uses & Applications

PURSEAL is typically used in dry & moist cracks sealing. If water leakage coming through cracks, stop leakage first with PURFOAM. After that injects PURSEAL into the cracks to seal the cracks and stop water leakage permanently. Typical areas of use are:

- Concrete joint and crack.
- Defective concrete (cracked or honey-comb.)
- Waste water tank, swimming pool, water tank.
- Sewer, manhole, subway, basement, tunnel, dam.
- Pipe intrusion.

## Key Benefits

- Low viscosity offers superior penetration through narrow or hairline cracks.
- Flexible and tough resin.
- Cured material is resistant to hydrolysis.
- Excellent bonding to concrete surfaces allows permanent sealing.
- Can be operated with either single component or two component injection pumps.
- Non-toxic once in cured form.

## Technical Data

Properties	Component A	Component B
Appearance	Yellowish liquid	Dark brown liquid
Viscosity at 25 °C (cps)	150-220 cps	120-180 cps
Specific gravity at 25 °C	1.20 ± 0.1	1.05 ± 0.1

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CHARACTERISTICS (A+B)	RESULTS	TEST METHOD
Mixing Ratio	10:6 (A:B)	-
Appearance	Tough, elastic resin	-
Hardness	50 - 60	ASTM D2240
Tensile Strength	15 MPa	ASTM D412
Elongation	70%	ASTM D412
Pot Life	30 - 35 mins	-
Gel Time	180 mins	-

Application Instructions

*Surface Preparation*

- All surfaces must be free from oil, grease, dirt and poorly adhering matter. If water is leaking in the cracks, stop leak with PURFOAM first.

*Installing the packers*

- Mark the packer positions and drill the holes, make sure they pass through the cracks. Depth of drilled holes should be somewhere between center of structure, if possible.
- Place packers in the previously drilled holes. Tighten the packers with a wrench as tight as necessary.
- In case PURFOAM is used in the application, the previously injected packers can be used.

*Mixing*

- Measure part A and part B with typical ratio of 10:6. Mix them together using low speed drill and paddle mixer for approximately 2 minutes until the color appeared homogeneous.

*Injection*

- Pump mixed material through the injection port until evidence of material begins to show on concrete surface. Inject from the bottom up. Wait for material rise up the cracks to ensure entire cracks has been treated.

*Cleaning up*

- Tools and equipment must be cleaned immediately after use.
- Packers can be removed after the material harden (3-4 hours) and the holes should be patched.

## Safety Instructions

Wear appropriate protective equipment such as gloves, safety glasses or goggles, protective clothing during use.

In case of eye contact: promptly wash eyes with plenty of water. Continue to rinse for at least 15 minutes and consult physician immediately.

## Packing

16 kg. per set.

Part A 10 kg. per can.

Part B 6 kg. per can.

## Storage & Shelf Life

Material must be kept in-door, avoid of direct sunlight and humidity. It should be stored at room temperature. Drum of remained chemical should be purged with Nitrogen and tightly capped. Chemical should be consumed within 12 months.

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