

# Negative side waterproofing

## Cracked structures

### Recommended products



**weberdry 600 i**

**weberep 610 i**

For instant leakage stopping, a PU injection foam is recommended.

**weberdry 610 i** is a low viscosity water reactive polyurethane injection composed of a resin component and a catalyst. To stop leakage and form a permanent elastic membrane, inject **weberdry 600 i**, a flexible water sealing 2 component polyurethane resin that reacts with water to form a hydrophobic seal.

**weberdry 600 i** reacts in wet or dry cracks and joints. When **weberdry 600 i** comes in contact with water, it reacts into a flexible seal.

## Product application



Drill a hole in the concrete at 45 degree angle in order to intersect the crack or the leaking construction joint.

- Place the bore packer inside the hole and tighten firmly in order to prevent the resin from escaping. The distance between each packer should not be more than the thickness of the structural member. The injection bore packer is designed with non-return valve in order to prevent resin from escaping during injection.
- Injection bore packers should be placed and distant equally.
- The injection requires the use of an injection device.
- Mix the 2 components of **weberdry 610 i** and place in the container reserved in the injection machine.
- Place the nozzle of injection hose inside the bore packer nipple.
- Start injection and continue while the **weberdry 610 i** is transformed into foam.
- Stop injection when the pressure gauge reaches 75% of its highest value.
- Remove the injection hose and shift to next bore packer and restart injecting **weberdry 610 i**.
- When all the bore packers are injected, repeat the same process using **weberdry 600 i**.

## Structures exposed to negative hydrostatic pressure

### Recommended products



### Surface preparation

- Surfaces to be treated must be thoroughly inspected. The concrete surface must be cleaned and free from oil, grease, paint, loose dust, mud and laitance. Horizontal surfaces should not have curing agents or hardeners applied prior to the application of **weberdry crystal**.
- Honeycombs should be hacked off to expose the concrete. All dripping and loose particles should be removed, clean surface with water before repairing.
- Ensure all concrete surfaces are hosed down with water as moistures must be present in the capillaires prior to the application of **weberdry crystal**. New concrete must be at least 3 days old before it should be treated.
- Do an angle fillet of 25 mm x 25 mm at all junctions between slabs and walls with **weberep 331 TX**, after making a V groove on all these junctions.
- If surfaces are too smooth, the concrete should be acid etched lightly sandblasted or waterblasted.
- In case of water leakage, an injection is performed through the leaking cracks or plugging mortar into leaking holes.

### Product preparation

Mix each 25 kg of **weberdry crystal** with approx 7.5 liters of cool water and stir thoroughly for at least 3 minutes into a flowable thick consistant slurry. The mixture should be used within half an hour, after which time it will start to thicken. Never add extra water to restore workability.

### Product application

- After insuring that the surface is moist without being visibly wet, apply **weberdry crystal** using a brush or broom with fine bristles.
- 2 coats at 0.5 kg/m<sup>2</sup> per coat are normally required. The coats are installed in 2 passes.
- When the first applied coat is in tacking condition, the second coat is applied with a counter cross application to the first.
- Hose down the entire surface of the treated area twice a day for at least one day.
- Protect it from sunlight, frost, wind and rain for 5 to 7 days.