



VetogROUT UR710

Hydro-reactive polyurethane injection resin (foaming & flexible)

Uses

- Stopping crack seeping water.
- Injection of structural elements in water retaining or water excluding structures.
- Crack injection to stop water flow in retaining walls, manholes, reservoirs, etc.

Product Description

VetogROUT UR710 is a fast and highly reactive polyurethane foam producing resin that is specially used to temporarily stop water. It reacts when in contact with water to form a flexible closed cell foam barrier inside concrete cracks.

VetogROUT UR710 is a two-component urethane injection system consisting of foam resin and an accelerator. The product is re-injectable with VetogROUT UR711 to form a permanent elastic seal in structural elements.

Advantages

- Fast reaction time stopping flowing water under pressure.
- Re-injectable with polyurethane injection resin (VetogROUT UR711).
- Flexibility allows for movement accommodation in live cracks.
- Longer time to clean equipment compared to the market standard.

Standards Compliance

- ACI 546R: Concrete Repair Guide.
- ICRI Guideline No. 340.1

Design Considerations

VetogROUT UR710 is designed to stop flowing water in cracked concrete at crack widths of 0.2 to 7mm, depending on water flow and pressure. The product is also re-injectable using products such as VetogROUT UR711 and VetogROUT ER717, depending on the requirement. Please consult your local Saveto representative.

Use VetogROUT UR710 to stabilize soil and create membrane barriers behind retaining walls.

Technical Data

VetogROUT UR710	Typical Values
Specific Gravity	1.15
Pot Life @ 23°C	30 Minutes
Water Reactivity Time	5 - 30 seconds
Viscosity	1300 - 1500 CP @ 23°C
Shrinkage (ASTM D2126)	0%

Usage Instructions

Preparation

If water flow permits, clean the surface adjacent to the cracks and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits, or algae.

Preferably, prepare the surface using high-pressure water jetting or light abrasive blasting, followed by thorough washing to remove dust and remaining particles. Remove dirt with wire brushes or similar mechanical means.

Remove oil and grease deposits by steam cleaning, detergent scrubbing, or the use of a proprietary

degreaser. Assess the effectiveness of decontamination by a pull-off test.

Blow the cracks and treat the surface with oil-free air to ensure complete removal of all dust and loose particles.

Fixing injection packers

Fix the injection packers inserted into pre-drilled holes at intervals along the length of each crack. The distance between each packer will depend upon the width and depth of the crack. Spacing shall be close enough to ensure that the resin will penetrate along the crack to the next point of injection. This will normally be between 200mm to 500mm.

Seal the cracks' surface between the packers with a band of Vetorep ER350, 30mm to 40mm wide and 2mm to 3mm thick. Seal both sides of any cracks which go all the way through a wall or slab in the way.

Please note: Where water flow is severe, omit the Vetorep ER350 application. In the case of a crack all the way through the wall or slab, locate packers on both sides, with those at the back placed at midway points between those at the front.

Where applicable, allow Vetorep ER350 to cure for 8 hours at 35°C. At low ambient temperatures (5°C to 12°C), extend the curing time, and ensure the epoxy putty surface seal has adequately cured before continuing.

Attach one end of the injection hose to the lowest packer on vertical cracks or the end of horizontal cracks.

Treat each crack in a single, continuous operation. Prepare sufficient material to be ready before the commencement of the work.

Application

Thoroughly mix the accelerator with the base resin.

Take care to exclude moisture as much as possible and place it in an enclosed container after mixing. There will be skin on the surface, but the liquid underneath will be satisfactory for use.

VetogROUT UR710 should be used with standard injection equipment having closed containers. When flowing water has stopped, re-inject with VetogROUT UR710 to give a permanent seal. See VetogROUT UR710 datasheet.

Making good

Remove the packers or nipples. Make good any holes or voids with Vetorep ER350 and allow them to cure. The epoxy putty can be ground off or softened with a blowlamp and peeled off. Do not allow to burn.

Cleaning

Remove VetogROUT UR710 and Vetorep ER350 from tools, equipment, and mixers with Vetonit Solvent XX400 immediately after use. Remove hardened material mechanically.

Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Consumption
VetogROUT UR710	4 & 10 liter kit	1 Liter = 1 m ² @ 1 mm thickness, or 5 liters = 5 m ² @ 1 mm thickness.
Vetorep ER350	5 kg Kit	3 m ² @1mm Thickness

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

VetogROUT UR710 original sealed containers have a shelf life of 6 months @ 20°C provided it is stored clear of ground in dry shaded and temperature-controlled conditions.

If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced to 2 to 3 months.

Health & Safety

VetogROUT UR710 contains Isocyanate. May cause sensitization by inhalation. During use, avoid contact with skin and eyes and inhalation of vapor. Wear suitable protective clothing, gloves, and eye/face protection.

The use of barrier creams provides additional skin protection.

Should accidental skin contact occur, remove immediately with a resin-removing cream followed by soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting. Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory protective clothing.

VetogROUT UR710 and Vetorep ER350 are not flammable. Vetonit Solvent XX400 is flammable; keep away from sources of ignition and direct flame.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.