

VX Savior PU Injection is a hydrophobic grout based on polyurethane. Upon contact with water VX Savior PU Injection reacts into flexible closed cell rubber-like foam while expanding its volume up to 30 times.

The cured flexible material will be in a constant volume. Since water is not a component of the foam structure, the cured material is essentially not affected by water or dryness.

The reacted material does not shrink or swell. Depending on the pressure of injection VX Savior PU Injection reacts to a very dense and flexible material or foam.

FEATURES

- Negative side application possible
- Deep penetration into very small cracks
- Foam increases in volume to fill cavities and voids
- Excellent bond to wet surfaces
- Good adhesive strength, tolerant of movement
- Inert after curing, constant volume, no shrinkage
- Do not create new cracks

RECOMMENDED USES

Area of application includes:

- Defective concrete (cracks and/or honeycomb).
- Concrete Joints.
- Limestone.
- Brick Construction.
- Pipe Intrusion.
- Wastewater Tanks.
- Subway Tunnels.
- Sewer, manholes, utility boxes.
- Tunnels, Dams.
- Soil Stabilization.

PRODUCT SPECIFICATION

Form	Single Part Liquid
Color	Dark Brown
Solubility in Water	Hydrophobic
Density, g/mL	1.05 ± 0.03
Viscosity, cPs (KS F 4923)	300 ± 10
Maximum Expansion	30 times
Reaction Time at 20°C	15 seconds
Gel Time at 20°C	30 seconds
Foam Appearance	Light-yellow & Polyurethane Foam
Corrosivity	Non-corrosive

Disclaimer. The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials substrates and actual size conditions are such that no warranty in respect of merchantability of or fitness for particular purpose, nor any liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in the brochure may change at any time without notice.

APPLICATION

1. Surface Preparation

In several cases, concrete surfaces are enclosed by mineral deposits from prolonged time of water leakage, clean these deposits using mechanical action, wire brush maybe use. It's recommended to mark the area before the next step.

2. Drill Injection Holes

To inject the resin into the crack, it is necessary to install injection ports, also called mechanical packers. The depth of the drill hole intersecting the crack should be somewhere close to the center of the structure if possible.

3. Insert Injection Packer

Place packers in the previously drilled hole, so that the top of the rubber sleeve is below the concrete surface. If the packer can't be pushed into the hole, tap it in. Tighten the packer with a wrench as tight as necessary.

4. Crack Flushing (if necessary)

In some circumstances, it can be very useful to flush the crack with water to improve the subsequent penetration of the injection resin into thicker walls.

5. Crack Injection

Choose the proper resin for the correct application. The nature of the crack/joint and the conditions at the job site determine the choice of material. For general purposes, you may choose VX Savior PU Injection.

Hairline cracks and dry cracks should be sealed using VX Savior Bondpaste EP (epoxy putty). Some problems are solved by using a combination of products.

6. Finishing

Once the injection work is completed, a good and thorough finishing is essential. The packers can be removed within 1 hour and the holes should be patched by using Epoxy putty or other patching repair products.

CLEANING

Tools and equipment just can be cleaned with acetone or thinner immediately after use. Cured products only can be removed using mechanical action.

PACKAGING

18 kg / pail

STORAGE

Store in a dry cool place.

SHELF LIFE

12 months in unopened and undamaged packaging.

IMPORTANT NOTES

Minimum ambient and substrate temperature at 5°C.

Material shall be stored in a dry cool place. Good storage stability for unopened containers at 15 – 30°C.

SAFETY PRECAUTIONS

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist.

If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent.

Ensure adequate ventilation when using these products.