



Technical Data Sheet

Description

Tek-Grout WR is a low viscosity polyurethane grout designed to react with water to form polyurethane foam for use as a water stopping system.

Advantages

- Low viscosity
- High expansion
- Solvent free
- Resistant to biodegradation
- Can be used in contact with portable water
- Resistant to wide range of chemicals

Uses

- Potable water tanks
- Waste water structures
- Basements
- Elevator pits
- Futile waterstops

Physical Properties*

Property	Typical Results
Relative density	1.1
Elongation, ASTM D638	450 %
Tensile Strength, ASTM D638	3 MPa
Free Expansion	200 %
*The above properties are average laboratory values	

Packing

Tek-Grout WR is available in 20 lt and 200 lt. drums

Shelf Life

6 months when stored in factory unopened packs, stored in a cool dry and shaded place away from direct sunlight.

Gel Times

Water / Grout ratio	1:1	3:1	5:1	8:1	10:1
Gel time in seconds	90	80	75	85	90

Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

Preparation

Prepare the work site by drilling holes at approximately 45 degree angles to intersect the application site at about half the depth of the fissure. Holes are typically drilled on opposite sides of the application site in an alternating pattern and the spacing is dependent on the crack size. Flush drill waste from the holes to ensure a strong bond prior to installing packers. Securely install injection packers in the predrilled holes and clean the application site for loose materials.

Injection

Inject using a mixing metering machine that will mix the water with the resin. Pump into the injection packers beginning with the lowest and pump until the grout reaches the next highest packer and continue pumping. Once the first injection run is complete, return to and repeat injection on the previously injected packers until each one refuses to take any further grout. Water blast the concrete surface to remove cured grout.

Note: The temperature of the components will also affect the reaction time; higher temperatures will decrease the reaction time and colder temperatures will increase it.

Cleaning

Clean tools and equipment immediately using **Tek-Clean**.

Precautions

Will not accommodate movement cracks.
Do not apply below 5°C.
Avoid excessive application.
Avoid skin contact.
Do not discard into the water system.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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