

MULTI-GEL

Gel-Forming Hydrophilic Polyurethane Grout

Description

MULTI-GEL is a solvent-free, non-toxic, single-component water-reactive polyurethane injection resin. It reacts with water to form a flexible hydrophilic barrier. Depending on the amount of water in the mixture and when cured, MULTI-GEL will vary in consistency from strong elastic rubber-like foams to stable gels containing as much as 800% water. After curing, MULTI-GEL absorbs limited amounts of water and will shrink slowly if allowed to dry.

Advantages

- In the range of 1:1 to 2:1 water:resin ratios, hydrophilic foams with decreasing strength are obtained in less than one minute
- In the range of 2:1 to 8:1 water:resin ratios, hydrophilic gels are obtained in less than one minute
- When cured, deflects excessive water away from penetrating into a structure

Where to Use

Application – MULTI-GEL was developed to seal active cracks and joints in underground sewers and manholes, even when large seepages or flowing leaks are encountered.

Substrate – Concrete

How to Use

Preparation – Site preparation depends on the type of injection method selected as per the project specifications and requirements.

Application – Install using a fixed ratio or variable ratio two component injection pump to produce a controlled gel based on suitable water:resin ratios, taking into account site conditions.

Clean Up – Flush pump, hoses and injection accessories with PUMP CLEANER.

Technical Data

Component	MULTI-GEL
Relative Density -	1.09 to 1.112
Viscosity (25°C) -	875 ± 150 cP
Mixing Ratio -	1:1 to 8:1 water:resin
Colour -	Amber to light brown
Physical State -	Liquid
Shelf Life -	12 months
Packaging -	20 kg pails

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Limitations

- Low temperatures will significantly affect viscosity
- Avoid splashing water into open containers as the material is water-activated
- Avoid exceeding 32°C when warming pails with heat bands or heated water baths

Caution

Wipe resin containers to avoid contamination by moisture. Keep container closed when not pouring. Beware of pressure build-up in closed container. Prevent contact with eyes, skin and clothing. Use only in adequate ventilation. Avoid breathing vapours. Do not ingest. Wear appropriate PPE including impermeable gloves and safety glasses.

First Aid

This material is intended to be used by trained professionals with the proper equipment. Refer to the SDS for detailed first aid information.

Related Products

Pump Cleaner, Packers, Hydraulic Couplers, Injection Pumps

Related Literature

SDS for Multi-Gel Resin

Company Overview

Multiurethanes offers technical grouting services for water cut-off, soil stabilization and void filling applications for the same industries that you service; mining, heavy civil, tunneling and utilities. Our services include technical services, materials, and equipment.

Technical Service

For additional information, please contact us: 1-800-663-6633 / info@multiurethanes.com