

MME FLEXIBLE RESIN

Flexible Water-Reactive Polyurethane Grout



Cracks and construction joints in potable water structures are permanently sealed with MME FLEXIBLE RESIN.

Description

MME FLEXIBLE RESIN is a low-viscosity polyurethane resin designed for single-component injection.

It penetrates fine cracks and reacts with water to form a flexible hydrophobic foam barrier that stops flowing leaks and seepages. It is suitable for use near potable water. Once cured, the hydrophobic seal repels water, will not shrink or expand, and serves as a long-term solution to water infiltration in concrete structures.

Advantages

- Retains strength, size, and flexibility
- Controlled reaction time by varying the accelerator dosage
- Resistant to corrosive environments and temperature fluctuations
- Solvent-free and non-toxic

Where to Use

Application – MME FLEXIBLE RESIN is used for concrete crack injection in residential basements, underground parking structures, waste water treatment facilities, potable water tanks, underground concrete chambers, and other concrete structures where construction joints will move and expand over time.

Substrate – concrete

How to Use

Preparation – Drill 3/8" diameter holes on a 45 to 60 degree angle to intersect the crack or construction joint at the mid-point of the wall. Alternate the drill holes on each side of the crack. Flush drill holes to remove drilling dust and debris before installing packers. Inject cracks using CRACK FLUSHING AGENT, followed by injection of clean water to remove contaminants. Select appropriate accelerator ratio and verify that the resulting cure time conforms to project specifications and requirements. A typical accelerator dosage is 2% for most concrete crack injection work; use as low as 1% for a slow reaction time or as much as 10% for a fast reaction time.

Application – Wipe resin containers to avoid contamination by moisture. At a dry location, pre-mix MME FLEXIBLE RESIN and desired ratio of accelerator. Mix thoroughly until blended without entraining air. If necessary, pre-flush the injection site so enough water is present to activate the resin. Inject using a single-component injection pump. Use separate pumps for resin and water.

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

Technical Data

Component -	RESIN	ACCELERATOR
Relative Density -	1.055	1.014 to 1.02
Viscosity (25°C) -	400 to 600 cP	32 to 51 cP
Mixing Ratio -	100%	1% - 10%
Colour -	Light Yellow	Clear to pale yellow amber
Physical State -	Liquid	Liquid
Shelf Life -	12 months	12 months
Packaging -	20 kg pails 4 kg bottles	2 kg bottles 500 g bottles



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Certified Drinking Water System Components
Refer to www.wqa.org for restrictions and limitations.

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Limitations

- Reaction occurs with any moisture present
- Reaction times increase as ambient temperature decreases
- Reduction to shelf life after product is opened

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 and 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

MME Flexible Accelerator, Pump Cleaner, Crack Flushing Agent, Packers, Hydraulic Couplers, Injection Pumps

Related Literature

SDS for MME Flexible Resin, SDS for MME Flexible Accelerator

Company Overview

Multiurethanes offers technical grouting services for repair of concrete structures in the same industries that you service; residential and commercial buildings, municipalities, utilities and urban infrastructure. Our services include technical services, materials, and equipment.



Leaking cracks are permanently repaired using MME FLEXIBLE RESIN.

Technical Service

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