

# RIGID GROUT

## Dual-Component Hydrophobic Polyurethane Grout



RIGID GROUT is used to fill voids in culverts beneath an airport runway. Repairs were required to prevent settlement.

### Description

RIGID GROUT is a low-viscosity dual-component polyurethane grout. It is used to stabilize water-bearing soils and fill open voids.

RIGID GROUT A and RIGID GROUT B are combined to produce a strong and hard foam that expands to approximately 10 times its original volume.

### Advantages

- Expansive, rigid foam provides structural support
- Develops adhesive bond that adheres to loose substrates
- Fast foaming and curing permit efficient installation
- Solvent-free and non-toxic

### Where to Use

**Application** – RIGID GROUT is used to efficiently fill open voids adjacent to existing concrete structures and to fill voids associated with foundations and roadways where settlement has occurred.

**Substrate** – Soils, concrete, rock

### How to Use

**Preparation** – Drill injection holes at an appropriate spacing depending upon site conditions.

**Application** – Wipe resin containers to avoid contamination by moisture. Apply RIGID GROUT with equal parts of components A and B using a dual-component injection pump with a static mixer at the injection point.

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

### Technical Data

| Component -        | RIGID GROUT A         | RIGID GROUT B |
|--------------------|-----------------------|---------------|
| Relative Density - | 1.04 to 1.05          | 1.24          |
| Viscosity (25°C) - | 185 to 235 cP         | 175 to 270 cP |
| Mixing Ratio -     | 100%                  | 100%          |
| Colour -           | Clear to light yellow | Brown         |
| Physical State -   | Liquid                | Liquid        |
| Shelf Life -       | 12 months             | 12 months     |
| Packaging -        | 17 kg pails           | 20 kg pails   |

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#### Limitations

- Reaction times affected by ambient temperature
- Cured foam density can be affected by the presence of moisture. Call 1-800-663-6633 for technical support when pouring in wet conditions.

#### Caution

Wipe resin containers to avoid contamination by moisture. Keep containers closed when not pouring. Beware of pressure build-up in a closed container. Use only in an area with adequate ventilation. Prevent contact with eyes, skin, and clothing. Contains reactive materials which result in an exothermic reaction and have the potential to burn skin. 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 and PPE. Refer to the SDS for detailed first aid information.

#### Related Products & Equipment

Pump Cleaner, Chemical Injection Pumps

#### Related Literature

SDS for Rigid Grout A, SDS for Rigid Grout B

#### Company Overview

Multiurethanes offers technical grouting services for soil stabilization and void-filling applications for the same industries you service; municipal, heavy civil, utilities, and urban infrastructure. We can provide you with field services, technical support, materials, equipment, and accessories.



RIGID GROUT is a cost effective solution to fill voids beneath concrete slabs.

#### Technical Service

For additional information, please contact us: 1-800-663-6633 / [info@multiurethanes.com](mailto:info@multiurethanes.com)