



GB-0170-1.1, Rev. 2

JOINT FILLER V-100 EPOXY GROUT PRODUCT DATA

A two component, 100% solids filled epoxy system designed to seal and protect exposed edges of IB-500™ Inertia Block isolation material. This grout contains no VOCs¹, is free of BGE², and contains no nonylphenol. It provides a clean, cement gray finish while maintaining durable, flexible joint performance.

Cures overnight at room temperature to form a tough, pliable mastic that preserves vibration isolation.

Supports UNISORB foundation isolation systems by reducing maintenance and maintaining reliable vibration control in demanding industrial environments.

Packaging/Yields: Joint Filler V-100 Epoxy Grout, 2-Gallon Kit (0.25 Cu. Ft. / 450 Cu. In.)

Coverage: One kit fills a ½" x ½" groove up to 144 linear feet. Consult Unisorb for your project specific requirements.

Key Benefits

- Seals against water intrusion, lubricants, coolants, and other fluids from entering the isolation joint
- Resists chips and particulates to protect long term performance
- Maintains isolation and remains flexible after cure to prevent vibration transfer between inertia block and shop floor
- Simple Installation 1:1 mix ratio with a 15 minute working time
- Clean finish provides a consistent, professional appearance

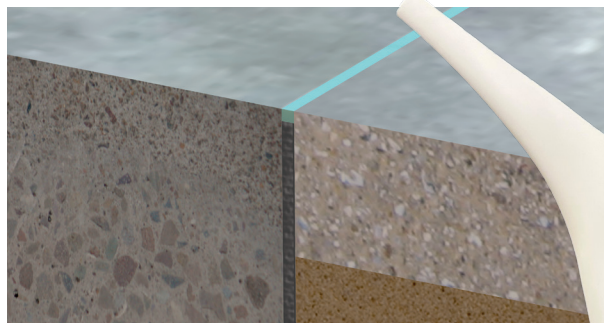
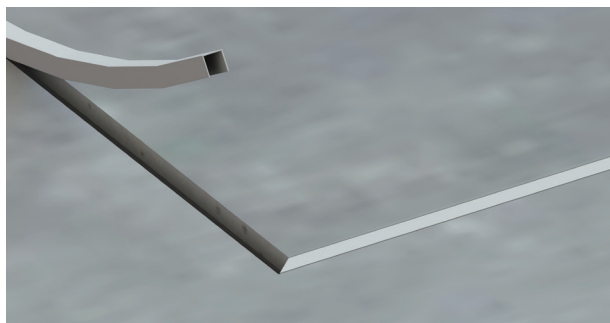
Placement

After the concrete has set, remove the Void Cap from the perimeter. Clean the groove and ensure it is free of debris. Seal any visible cracks with a soft caulk to prevent leakage. Fill the perimeter groove with Joint Filler V-100 Epoxy Grout according to the product mixing and installation instructions, introducing the material using a UNISORB Grout Spout, available through UNISORB. Designed to create a ½" x ½" seal. Thicker sections may be placed in multiple lifts without creating a cold joint. Contact UNISORB for additional instructions with your unique installation requirements.



Physical Properties @ 77°F (25°C)

Tensile Strength	
(ASTM D-412)	430 psi
Hardness (Shore A)	
	60
Placement Time	
(1 lb. mass)	60 minutes
(Full kit)	15-20 minutes
Cure Time	
	24 hours
Mixed Viscosity	
	2,200 cps





INSTALLATION SOLUTIONS

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CONCRETE SURFACE PREPARATION

Remove all oil, grease and contamination from concrete. Remove loose and weak concrete from the foundation surfaces. The concrete must be dry and have no standing water.

METAL SURFACE PREPARATION

Base plates or soleplates to be grouted should be clean and free of rust, dirt and other surface contaminants.

FORMING

Method of forming must provide for rapid continuous placement of grout. Adequate clearance for grout placement and head must be provided. Forms should be watertight and greased or waxed to allow easy removal.

PREPARATION OF EPOXY GROUT

All unmixed grout components (resin, hardener, and aggregate) must be stored inside a dry, temperature-controlled storage environment with an approximate temperature range of 75°F to 90°F until all three components exhibit temperatures within this range. This could take 24 to 72 hours depending on seasonal temperature conditions.

MIXING INSTRUCTIONS

Pre-mix the resin component to ensure that the constituent liquids and solids are fully incorporated. When ready to mix grout, pour the hardener into the resin container and mix with a paddle with a low-speed, high-power drill until thoroughly blended. Periodically

scrape the sides and bottom of the container to ensure that all the resin is incorporated into the mixture. The grout is fully mixed when it is a smooth, consistent color with no dark blue or brown streaks in evidence. Do not add water.

POURING

Only pour grout from one side. This is to prevent the formation of air pockets under the equipment being grouted. Continue pouring until the grout has completely flowed to the other side of the equipment and to an adequate depth to eliminate potential voids. The grout will self-level under most circumstances but may need to be agitated, pushed, strapped, etc. to help the material flow under the equipment and properly self-level, especially in cold weather

PLACEMENT TIME

The time you have before initial set depends on the air temperature, the ambient temperature of the foundation and equipment, and the temperature of the grout. In cooler conditions you will have more time to place the material, and in warmer temperatures you will have less time.

CURE TIME

The cure time (the time until the grout is strong enough for use) is temperature dependent. Special precautions must be taken when temperatures are below 70°F or above 90°F to assure the grout will properly cure. Consult the factory for details.

TEMPERATURE CONSIDERATIONS

The temperature of the kit components (resin, hardener, and aggregate) at the time of mixing and placement have a significant effect on ease of mixing, placement of the mixed grout, and strength development. For optimum results it is very important all three unmixed grout components are within the 75-90 degree F temperature range. It is recommended that the grouting environment also be preconditioned to a temperature range of 70°F to 95°F to assure predictable results.

CLEANUP

Uncured grout may be cleaned from tools and mixing equipment with a mild solvent, detergent, or pressurized water rinse. For best results, clean mixing equipment and tools immediately upon completion of mixing activities.

PRECAUTIONS

Always wear appropriate Personal Protective Equipment (PPE). SDS are available on our website at www.Unisorb.com. Avoid inhaling fumes and keep the work area well ventilated. Wash skin and clothes with soap and water immediately (before grout cures).

Physical properties shown are the result of laboratory testing performed per industry recognized test procedures. Laboratory properties aid in determining suitability of the product for the intended application. Field testing results may vary due to procedures or ambient conditions such as temperature and humidity. Laboratory reports are available on request.

Consult the specific Safety Data Sheets (SDS) for all safety data.

Contact Unisorb for all application questions and grouting support.