

Technical Datasheet

Precision Fill



Two-component structural polyurethane foam for filling voids

Description

Precision Fill is a two-component, low exotherm, polyurethane foam used to fill voids and underseal concrete slabs. Its low viscosity allows for moderate permeation effects as well. The resin produces a closed cell, high density structural polyurethane foam.

Primary Applications

- Filling voids under and behind structures
- Stabilizing soils
- Undersealing slabs
- Annular space filling

Packaging

- 10 gallon units
- Drum sets

Advantages

- Highly expansive
- High strength
- Low exotherm (will not self ignite)
- Bonds with soil and to concrete
- Slow, steady reaction

Technical information: Physical properties at 73°F (23°C) - Liquid

Properties will vary depending upon site conditions, application method, mixing method and equipment, material temperature, and curing conditions.

Solids content: 100%

Viscosity: 270-280 centipoise

Note: Viscosity scale for Prime Resins products: 50 and under= super low, 51-100= very low, 101-400= low, and 401-1000= moderate viscosity.

Flash point "B" component: < 72°F (22°C)

Physical Properties - Cured	Results	Test Method
Compressive strength	24 psi / 3,456 psf	ASTM D-1621
Expansion	23x	
Density	3 lbs/cubic ft	
Shrinkage	None	ASTM D-1042 / D-756

Reaction times	
Initial reaction time	70 seconds
Full rise	6.0 - 12.5 minutes
85% full strength	15 minutes

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Accessory Products

- Eco Flush
- Soil probes
- Pumps
- Pipe jack

Directions For Use

Mixing Ratio: A:B 1:1 by volume

Material Preparation: Store material overnight to precondition to between 70 and 80°F (21 to 27°C) prior to use. Pre-mix each component prior to combining. "B" component contains chemicals that settle over time. Failure to properly pre-mix will result in uncured or improperly cured material.

Limitations: Cold temperatures will slow down reaction time and increase viscosity. pH below 3 or above 10 may adversely affect foam properties.

Storage & Clean Up

Storage: Store in dry environment between 40° and 80°F (4.4-27°C). Shelf Life: 12 months from date of manufacture in unopened containers properly stored.

Clean Up: Flush injection equipment with Prime Flex Eco Flush. Clean off of skin with soap and water. Remove cured material by soaking in Prime Flex CGC (not appropriate for contact with plastic).

Environmental Protection

Cured material is environmentally safe. Dispose of in accordance with federal, state and local regulations.

Shipping

Shipping Class: Flammable liquids, N.O.S. Resin Solution, UN 1866, Class 3, PG II

Hazard Classification: 3

Health & Safety

Safety: Use OSHA-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only

First Aid

Eye Contact: Immediately flush with large amounts of water.

Seek medical attention. **Inhalation:** Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. **Ingestion:** Seek medical attention immediately.

Skin Contact: Wipe off contaminated area and wash with soap and water.

Manufacturing

Products are manufactured by Prime Resins, Inc. in the U.S.A. under strict quality assurance practices at our Conyers, GA plant.

Warranty & Disclaimer

Prime Resins, Inc. warrants its products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins, Inc. are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins, Inc. will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.

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