

Technical Datasheet

Prime Flex 5.0 Fast



Two-component structural polyurethane foam

Description

Prime Flex 5.0 Fast is a two-component, high density, closed-cell structural polyurethane foam used to seal active leaks and fill voids.

Primary Applications

- Tanks
- Pipes
- Manholes
- Underground vaults
- Utilities

Advantages

- Fast-reacting
- High strength
- Low viscosity
- Hydro-insensitive
- Bonds with soil and concrete
- Fills voids

Packaging

- 1:1 Quick Mix cartridges (case of 10)

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: Part A = 200 cps, Part B = 1600 cps

Physical Properties - Cured	Results	Test Method
Compressive strength	45 psi	ASTM D-1621
Free rise expansion	20x	
Free rise density	3 lbs/cubic ft	
Shrinkage	None	ASTM D-1042 / D-756

Reaction times	
Reaction time	7 - 10 seconds (full rise = 30 seconds)
Tack free	23 seconds
85% full strength	20 minutes

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Accessory Products

Manual or air powered 300 ml x 300 ml cartridge gun

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.

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. Protect from moisture.

Clean Up: Clean off skin with soap and water immediately.

Environmental Protection

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

Shipping

Shipping Class: Motor Freight Class 60

Hazard Classification: Not Hazardous

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 that are manufactured by Prime Resins, Inc. are made under strict quality assurance practices at our Conyers, GA facility. Made in the USA of US & imported materials.

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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