

Technical Datasheet



Floor Fix

Rapid set urethane floor repair polymer

Description

Floor Fix is a two-component, 100% solids, polyurethane resin system that, when mixed with kiln-dried sand, makes a floor repair mortar that is traffic ready in 10 minutes. For use in coolers and freezers.

Primary Applications

- Concrete industrial floors
- Commercial or retail floors
- Cooler / freezer floors

Packaging

- 4 gallon unit
- 1/2 gallon kit

Advantages

- Traffic ready in 10 - 20 minutes (depending on mass/temperature)
- Very low viscosity
- Little to no odor
- Excellent chemical resistance

Accessory Products

- Prime Blend Sand

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.

Viscosity: 60 - 80cps

Color: concrete gray

Temperature	Pot Life	Tack free - 20 mils
20°F (-6°C)	7 minutes	18 minutes
73°F (22°C)	2.5 minutes	13 minutes
90°F (32°C)	1.75 minutes	8 minutes

Test results		
Compressive strength	6,000	ASTM D-695
Compressive modulus of elasticity	120,000	ASTM D-695
Tensile strength	3,800	ASTM D-638
Tensile modulus of elasticity	100,000	ASTM D-638
Tensile elongation	6%	ASTM D-638
Bond strength (dry cure) - 2 day	1,792	ASTM C-882
Bond strength (dry cure) - 14 day	1,960	ASTM C-882
Shore hardness	80 D	D scale
Coverage	.370 cubic feet per gallon when mixed with 3 parts by volume Prime Blend sand. 50 sq ft/ gal at 30 mils dft when applied as a neat coating.	

Shipping

Shipping Class: Not applicable, not regulated

Head Office: 2291 Plunkett Road, Conyers, GA 30012

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Directions For Use

Mixing Ratio: A:B 1:1 by volume

Pre-Mixing: Pre-mix each component prior to combining. “B” component contains pigments, fillers and other chemicals that settle over time. Failure to properly pre-mix will result in uncured or improperly cured material.

Pump Application: This product can also be mixed using a 1:1 (A:B) ratio dispensing pump, such as Prime Resins’ Patriot Pump, for larger areas or repetitive applications. Use Prime Resins Eco Flush to flush and clean pump after job. Use Carboline Polyclad Line Stabilizer to prevent crystallization during pump storage between jobs. Purge before next use.

Material Preparation: Store material overnight to precondition to 70 - 80°F (21 - 27°C) prior to use. Pre-mix each component prior to combining. Failure to properly pre-mix will result in uncured or improperly cured material.

Limitations: Cold temperatures slow reaction time and increase viscosity. Remove any ice from repair area and dry it thoroughly prior to application of Floor Fix. Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely. Do not use with backer rod. Do not use in moving cracks or joints.

Bonding Requirements: Apply neat mixed material to surface by brush, roller or spray.

Spall Repair / Patching: Mix with 2.5 to 4 parts kiln-dried sand. To create patching mortar, saw cut perimeter of spall to create vertical edge. Recommended 1/8” depth. Not recommended to feather edge.

Small areas less than two square inches can be used neat without sand for patching and spall repair. For larger areas, uses 2.5 to 4 parts sand by volume to make mortar.

Storage & Clean Up

Store in dry environment between 40 - 80°F (4 - 27°C). Do not allow to freeze during storage or prior to use.

Shelf Life

Two years from date of manufacture in unopened containers properly stored. Protect from moisture.

Environmental Protection

Cured material is environmentally safe. Dispose of in accordance to appropriate regulations. Clean up any spilled catalyzed liquid material and dispose of according to local, state and federal regulations.

Health & Safety

“A” component contains isocyanates. Prolonged or repeated exposure may cause respiratory sensitization. Provide proper ventilation and/or use a half face respirator when necessary. “B” component contains amines and may cause severe burns upon skin contact for any length of time. 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 immediately.

Manufacturing

Manufactured by Prime Resins, Inc. in 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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