

Floor Fix

Rapid set urethane floor repair polymer

Description

Floor Fix is a two-component, 100% solids, polyurethane resin system that, when mixed with oven dry 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
- Freezer floors

Advantages

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

Packaging

- 4 gallon units
- 10 gallon units

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

Pot Life	100 grams	Tack free - 20 mils
73°F (23°C)	7 min	8 min

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	

Technical Datasheet



Accessory Products

- Prime Blend sand

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 is ideally suited for use the Quick Mix cartridge system. 10 gallon units are packaged for use with extruder pump equipment.

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 will slow down reaction time and increase viscosity. Remove any ice or ice crystals from repair area. 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. Pour new concrete while material is still tacky. If it loses tackiness or cures for more than 24 hours before new concrete is poured, roughen surface by light brush or sanding followed by a solvent wipe before recoating with fresh material.

Storage & Clean Up

Storage: Store in dry environment between 40 and 80°F (4 and 27°C). Do not allow to freeze. Shelf Life: 6 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 according to appropriate regulations. Clean up any spilled catalyzed liquid material and dispose of according to local, state and federal regulations.

Shipping

Shipping Class: Not applicable, not regulated

Hazard Classification: Not applicable

Health & Safety

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.