FLOOR FIX 10

DESCRIPTION AND USES:

Prime Resins Floor Fix 10 is a two-component urethane resin that can be mixed with sand to form a tough polymer repair mortar that cures in under twenty minutes. Stands up to heavy forklift traffic and is ideal for spot repairs in concrete floors where quick turnaround is essential. Typical applications for Floor Fix 10 are:

- Repairing Spalls and “Pop-outs” in Industrial Floors
- Filling Abandoned Anchor-bolt or Rack Securing System Holes
- Restoring Concrete Surfaces Prior to Coating
- Repairing Concrete in Industrial Floors and Freezers

ADVANTAGES:

- Ready for Heavy Traffic in Under 20 Minutes
- Low Viscosity
- Little to No Odor
- Excellent Chemical Resistance

From this...

To this...
In under
20 minutes!

PACKAGING:

- “Quick-Mix” Cartridges
- 1/2 Gallon Units
- 2 Gallon Units
- 10 Gallon Units
- Spall Repair Kit

TYPICAL PHYSICAL PROPERTIES AT 74°F (23°C)

Viscosity (ASTM D-1638)	(Part A) (Part B) Combined	48 cps 128 cps 69.6 cps
Mixing Ratio (A:B)		1:1 By Volume
Color	(Part A) (Part B)	Hazy Amber Gray
Pot Life 100 grams, 74F (Gel Time)		7 minutes (Approx.) Tack Free
Compressive (ASTM D-695)		6000 psi (neat @ 24 hours)
Compressive MOE (ASTM D-695)		120,000 psi
Shore D Hardness		D80 (1:1 neat)
Tensile Strength (ASTM D-638)		3800 psi (Neat 1:1)
Tensile MOE (ASTM D-638)		100,000 psi
Elongation (ASTM D-638)		6%
Bond Strength (ASTM C882)	2 Day 14 Day	1792 psi (Mortar 1:1:3 sand) 1960 psi (Neat 1:1)

INSTALLATION METHOD

Prime Resins' Floor Fix 10 is normally mixed with sand to make a quick curing repair mortar for repairing spalls and wide cracks. It can also be poured "neat" (without being mixed with sand) into narrow, open cracks in floors.

The recommended application temperature is between 0º to 100ºF (-18º to 38º C). Material should be preconditioned to 65º to 85º F (18º to 29º C) before use. Read and follow all label and safety directions.

General Repair Procedures
Use a stiff broom or shop vacuum to remove any loose materials or debris from the repair area. Floor must be dry. Prepare the surface to remove oil, dirt, and poorly bonded material using a hand grinder, wire brush, or wire wheel attachment. After preparation, use a shop vacuum (or dry oil-free high pressure air) to clean dust and debris from the surface and out of the spall or crack.

Spall and Wide Crack Repair: Mortar Application
Mix a small amount of Floor Fix 10 in a 1:1 ratio without sand and use a disposable paint brush to wet or "prime" the area being repaired.

Estimate the amount of repair mortar that will be needed. The mortar will normally consist of one part of component A, one part of component B, and three parts of dry sand.

Estimating:
English (U.S. measurements)- An area 3 in x 3 in x 1 in is 9 cubic inches. This will require 1 oz of Component A, 1 oz of component B, and 3 oz of Sand.

Metric measurements- An area 7.6 cm X 7.6 cm X 2.5 cm is 150 cubic centimeters. This will require 30 ml of Component A, 30 ml of component B, and 90 ml (cm3) of Sand.

INSTALLATION METHOD (continued)

Mixing
Because of Floor Fix 10's short pot life, it is not advisable to mix more material than will be needed for a single repair. For best results, mix in a clean container with straight sides. Carefully measure the required amount of Component A and an equal quantity of Component B (1:1 ratio). Before pouring the components into the mixing container, have the clean dry sand available that you intend to use to make the mortar.

Pour the equal amounts of components A and B into the mixing container. Use a clean mixing paddle or slow speed mechanical mixer to stir the resin. While stirring, scrape the sides of the container so the resin is blended uniformly (about one minute). After the resin is blended, begin pouring in the sand while continuing to stir the mixture. Work quickly. When the sand is thoroughly wetted, pour or trowel the mortar into the repair area. Smooth the surface. For best results, slightly overfill the repair area, allow it to cure and use a mechanical grinder to blend and smooth the surface.

Narrow, Open Crack Repair: Neat Application (without sand)
Neat resin can be installed after bulk hand mixing or by dispensing from Quick-Mix Cartridges. Because of the resin's short pot life, hand mixing must be done in small batches and the resin must be applied quickly. For these reasons, Quick-Mix Cartridges are preferred for neat applications.

Regardless of installation method used, material may settle during application, so it may be necessary to go back and add additional resin until the repair area is filled.

Any overfill should be ground off using a hand grinder after the Floor Fix 10 has cured.

Quick-Mix Cartridges
Assemble Quick-Mix cartridges as follows: Unscrew (and keep) the large black plastic nut from the cartridges. Remove the two small half-moon shaped caps. Insert the round black plastic flow restrictor (supplied with instructions in small plastic bag) over the openings. Place the static mixing nozzle over the openings. Slide the large black plastic nut down the static mixing nozzle and screw it down tightly to its original position.

Quick-Mix cartridges should be dispensed using a dual cartridge gun (such as Prime Resins' model FG-725). Before dispensing resin into the repair area, squeeze the cartridge gun trigger a few times and collect dispensed resin into a disposable container. Begin using the resin when it has achieved a uniform dark color.

Floor Fix 10 cures quickly. Do not allow material to remain in the mixing nozzle for more than four minutes as it may cure and clog the nozzle. To keep the material from setting up in the static mixing nozzle, periodically dispense a small amount material into a disposable container.

Bulk Mixing
Because Floor Fix 10 reacts quickly and has a very short pot life, it is never advisable to bulk mix a batch larger than sixteen ounces of material (eight ounces of part A and eight ounces of part B). Mix material in a clean, dry container such as a plastic or paper cup. Carefully measure a quantity up to eight ounces of component A and pour into the mixing container. Carefully measure an equal amount of component B and pour into the mixing container. Use a clean and dry stirrer, (a wooden tongue depressor works well) to stir the liquid until it is thoroughly mixed. While mixing, use the stirrer to periodically scrape any unblended material from the inside of the container. When the material is completely mixed, pour it directly into the area being repaired.

Limitations:
Use on floors that have cured for at least thirty days. Floor Fix 10 is not designed for making repairs in areas requiring movement (expansion joints, etc.) Prime Resins Floor Fix 10 is a two component product that when mixed together, results in a gray color similar to concrete. The user should expect some batch to batch variability in color. Product may yellow and discolor over time if exposed to ultraviolet light (sunlight), but this change in color will not affect the physical properties of the cured material.

WARNING: Both "A" and "B" components can cause irritation to eyes, skin, and respiratory system. Provide ventilation sufficient to maintain vapor concentrations below recommended exposure limits. Vapor overexposure may cause respiratory irritation and allergic reaction. Avoid contact with skin, eyes, and clothing. Wear protective rubber gloves and safety glasses or chemical goggles when handling or dispensing materials. Wash contaminated clothing before reuse. Consult MSDS for further information.

FIRST AID:

SKIN CONTACT - Remove contaminated clothing. Wash affected areas thoroughly with soap and running water. Consult MSDS for further information.
EYE CONTACT - Immediately flush eyes with running water for a minimum of 15 minutes. Seek Medical Attention. Consult MSDS for further information.
INHALATION - Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. Consult MSDS for further information.
INGESTION - Do not induce vomiting. If conscious, wash out mouth with water and give 1 or 2 glasses of water to drink. Seek Medical Attention. Consult MSDS for further information.

CLEAN- UP:

Use Prime Flush cleaner, M.E.K. or Acetone to clean equipment. Use soap and water to clean skin.

STORAGE:

Store in dry conditions below 80°F(26°C). Ideal storage conditions are between 40° and 80°F(4° and 15°C). Under proper conditions, the shelf life is twelve months in unopened, damage-free containers.

FOR INDUSTRIAL USE ONLY

PROTECT FROM MOISTURE

KEEP OUT OF REACH OF CHILDREN

OBSERVE PRODUCT CAUTIONS

MPG TDS-Floor Fix-12/04 2M
Floor Fix 10

PRIME RESINS

"Innovations In Infrastructure Repair Technology"

2291 Plunkett Road, Conyers, GA 30012
Office (770) 388-0626 / (800) 321-7212
E-mail: sales@primeresins.com
www.primeresins.com