



FAST FIX 10

DESCRIPTION AND USES:

Prime Resins Fast Fix 10 is a two-component urethane resin that cures to form a tough polymer in just 10 minutes. An extremely low viscosity allows the material to fully penetrate sand and improve bonding by penetrating deep into the micro pores of concrete. Stands up to heavy forklift traffic and is ideal for spot repairs in concrete floors where quick turnaround is essential. The product is designed to be used with dry sand to increase yields. Fast Fix 10 has proven successful in the following situations:

- Repairing Spalled and Cracked Concrete
- Restoring Concrete Surfaces Prior to Coating
- Repairing Concrete in Industrial Floors and Freezers

ADVANTAGES:

- Ready for Heavy Traffic in Just Ten Minutes
- Extremely Low “Water-Like” Viscosity
- Excellent Chemical Resistance

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)	48 cps 24 cps
Mixing Ratio (A:B)	1:1 By Volume	
Color	(Part A) (Part B)	Hazy Amber Gray
Pot Life 100 grams, 74F (Gel Time)	3 minutes (Approx.) Tack Free	
Compressive (ASTM D-695)	4400 psi (neat @ 24 hours)	
Shore D Hardness	D75 (1:1 neat)	
Tensile Strength (ASTM D-638)	2500 psi	
Elongation (ASTM D-638)	8%	

INSTALLATION METHOD

Prime Resins Fast Fix 10 is designed to be mixed using a two component mixing gun (Prime Resins FG-725) or mixed in bulk with a slow speed mechanical mixer. Recommended application temperature is between 0° F and 100° F (-18° to 38° C). Material should be preconditioned to 65°-85°F (18° to 29° C) before use. Read and follow all label and safety directions. Two component pumping systems may also be used set at a 1:1 mix ratio for larger repairs.

Prime Resins recommends that any new concrete being repaired be at least 30 days old.

Surface Preparation

Remove all loose materials and debris. Surface should be free of loose concrete, dirt, dust, oils, and moisture. It is highly recommended that the top surface of the concrete to be repaired is cleaned with a hand grinder and wire brush or wheel attachment.

Crack Repair: Neat Material

Prepare/Assemble FG-725 (or equivalent) cartridge mixing gun according to instructions. Make sure the flow restrictor is attached to the Fast Fix 10 cartridge before attaching static mixer nozzle and inserting into gun. Keep a waste container handy for the beginning of each shot and to contain drips when the gun is not in use. Do not allow the material to remain in the mixing nozzle for more than 4

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INSTALLATION METHOD (continued)

minutes as it may begin to gel/react and clog the nozzle. If this occurs, replace the mixing nozzle before continuing. If more time is needed between shots, periodically trigger the material from the mixing nozzle into the waste container to prevent the material from setting up in the nozzle.

The reaction time varies with ambient temperature (gel time decreases as temperature increases). Pre-wet or "prime" the sides and bottom of the crack with Fast Fix 10 to maximize penetration into the concrete and to increase bond strength. Place the mixed material into the crack by using the cartridge gun or by bulk mixing (1 part A to 1 part B) and pouring. If bulk mixing, do not mix more than you can apply in a few minutes to prevent the material from setting up in the mix bucket. Fast Fix 10 solidifies to form a tough polymer in about ten minutes that will not collapse when subjected to heavy forklift traffic. Cure time varies with mixing method and temperature. If a finished look is desired, allow material to cure before grinding or sanding to "blend" the repair area into the surrounding concrete.

Spall Repair: Sand Lift Method

Fast Fix 10 is designed to be used with dry sand to increase yields. To begin, prepare/assemble FG-725 (or equivalent) cartridge mixing gun according to instructions. Make sure the flow restrictor is attached to the Fast Fix 10 cartridge before attaching static mixer nozzle and inserting into gun. Keep a waste container handy for the beginning of each shot and to contain drips when the gun is not in use. Do not allow the material to remain in the mixing nozzle for more than 4 minutes as it may begin to gel/react and clog the nozzle. If this occurs, replace the mixing nozzle before continuing. If more time is needed between shots, periodically trigger the material from the mixing nozzle into the waste container to prevent the material from setting up in the nozzle. Pre-wet or "prime" all surfaces of the repair area with Fast Fix 10 *without* sand. After priming, add sand in layers and saturate each layer with Fast Fix 10. Maximum layer depth will vary with the size (grit) of the sand granules used and temperature. Adjust depth of layers appropriately to insure complete saturation of the sand. This will normally be 1/2 inch of sand per layer.

Spall Repair: Mortar Method

Prepare the surface. Mix a small amount of Fast Fix 10 in a 1:1 ratio without sand and "prime" the area to be repaired with a paint brush. Calculate the material required to fill the repair area. Dry manufactured sand may be added and mixed at a ratio of 1 part A to 1 Part B to 3 parts sand. Mix the resin in a mixing container first for about one minute then add the sand until a mortar like consistency is achieved. This may require a little more sand than the ratio above depending on the size of the dry aggregate used. Quickly trowel the material into the repair area and smooth to surface. Feather the mortar out past the edge of the repair to ensure a seamless blend with the surrounding concrete after grinding. When the material has cured (10 - 20 minutes), the repair area may be smoothed out with a grinder or hand stone. A hand stone will minimize discoloration to surrounding concrete.

Limitations:

Fast Fix 10 is not designed for making repairs in areas requiring movement (expansion joints, etc.)

Prime Resins Fast 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

WARRANTY: Prime Resins 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 are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins 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.

MPG TDS-FF-12/04 2M
Fast Fix 10 Concrete Repair



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