

DESCRIPTION

The factory packaged Fast Set Bench Repair Patcher (FSR) is quick-setting cement for patching non-leaking holes in sewer manholes, building benches, filling large voids pre-cast concrete, cracks in concrete, brick and fiberglass structures, building manhole chimney, and to seal around pipes in sewerage work. The shrink compensated FSR does not contain calcium chloride.

USES

Make early setting repairs in concrete, walls, adjust benches, cracks in masonry and concrete interfaces, filling-in and around pipe annulus space, manhole chimney, concrete grade-rings, tunnels; use it to fix broken spalled concrete.

APPLICATION

Apply with gloves mixed with water to putty-like consistency. Strike cement smooth with a gloved hand or trowel flush with surface using a sharp pointing tool. Cold or hot weather will affect setting time. Use warm water to accelerate compared to normal at 70 degrees F.

COVERAGE

Covers approximately 0.50 cubic feet

AVAILABILITY

50-pound pail or bag, 36 pails per pallet. Store off the ground in a dry, cool place.

SURFACE PREPARATION

Clean and remove all foreign matter, loose concrete, dirt, oil, grease, paint, and other deleterious materials that may prevent bond. Roughen surfaces with LG 68 Concrete Prep (chemical wash. Dampen the repair area with

water prior to applying the grout. Do not allow water to puddle. Work quickly and place grout continuously using light tamping to eliminate air bubbles that have collected in the surface. Trowel to a uniform smooth surface.

CURING

Protect the FSR Cement from dry, hot weather extremes, rapid evaporation, and windy conditions; Protect from freezing temperatures. Avoid potential problems due to shrinkage cracking. Cover with a damp cloth, wet cure with plastic sheets or an acceptable liquid membrane-forming curing compound per ASTM C 309.

TECHNICAL INFORMATION

Property	psi		
Compressive Strength ASTM C 109	6-h 2,400	1-d 4,250	28-d 6,800
Flexural Strength ASTM C 293	7-d 600		28d 990
Bond Strength ASTM C 882	24-h 350		28-d 1600
Shrinkage at 50% RH ASTM C 596	0%		
Setting Time at 70°F	15-minutes initial	30-minutes	
Placement Time	5 to 10-minutes		

MIXING

Mix with 1-gallon water and mix mechanically for 3-minutes. The FSR begins to stiffen in about 15 minutes and sets in 30-minutes at 72°F.

LIMITATIONS

Do not add cement or other materials to this product. Maintain mortar temperatures from 50-90° for best results. Use cold water in hot weather and hot water in cold weather to maintain desired grout temperature. Do not use if temperature is expected to go below 32 degrees F within a 12-hour period. Do not mix more than can be used in 30-minutes.

CLEAN UP/ STORAGE

Wash with soap and water. Rinse thoroughly. Store up off the ground in a dry cool place.

SAFETY

Follow all of the safety precautions. May Cause Eye and Skin Irritation. Contains cement and free silica components. Do not breathe the dust. Use eye protection and avoid prolong exposure. In case of eye contact, wash with water immediately for 15 minutes, Wash thoroughly after handling. If skin problems arise, flush area with water and get medical help. Keep out of reach of children.

WARRANTY INFORMATION

The Manufacturer warrants this product to be of good quality and free from defects within the warranty period. The manufacturer's liability and sole obligation and the Buyer's single remedy in connection with the product shall be limited to replacement of the product not conforming to this warranty or credit equal to purchase price. The Manufacturer reserves the right to determine whether

any claim is specifically related to another cause. The corporation makes no other warranties, either expressed or implied and in no event intends to infringe on any established patents or trademarks.

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