

BLOME 930 **Fast Setting Repair and Grouting System**

PRODUCT DESCRIPTION

Blome 930 is a unique, two-component, rapid setting concrete repair and grouting system that outperforms conventional concrete repairs. A high performance, magnesium phosphate-based system, Blome 930 cures faster than concrete, and unlike concrete, it bonds to new and old concrete as well as materials such as old asphalt and steel. Since Blome 930 does not use a water additive, this repair system can be applied at virtually any temperature without shrinkage and is freeze/thaw and deicing salt resistant. This product is typically used for the repair of concrete walls, pot holes, anchoring machinery, commercial refrigeration floors, loading docks, grouting bedplates and soleplates, columns and bridge decks, parking structure joints, concrete pillars, floor repairs, ramps, rail grouting, anchoring bolts and handrails. This product is typically used in applications with an operating range of -15 °F (-26 °C) to 1994 °F (1090 °C).

TYPICAL USES

Blome 930 is suitable making quick repairs to concrete slabs and other surfaces in adverse temperatures where other repair materials would be unsuitable for use. Compatible with a wide variety of Blome coatings and linings systems. Consult Blome for additional details.

HANDLING CHARACTERISTICS

Blome 930 cures quickly for projects requiring a fast turn-around time. It develops strength quickly even in cold conditions. 930 can be applied at a wide range of thicknesses. Consult use instructions below for thicknesses over 1".

TYPICAL PROPERTIES

WET

Mix Ratio 1 x 45 lb. bag powder per gallon of activator

Wet density: 120 lbs./ft³

Pot life: 70°F 9-15 minutes

Initial set: 70°F 15-22 minutes

Cold/Warm Weather Applications: Additives can be used to speed or slow the material in cold or warm weather situations. See use instructions below.

CURED

Compressive Strength @ 50-70°F (ASTM C-579):

2 hours - 2500-3000 psi

3 days - 4000-6000 psi

28 days - 10000-12000 psi

Ultimate - 15000 psi

Shrinkage (ASTM C-531) < 0.05%

PACKAGING & STORAGE

Blome 930 is supplied as a two-component system consisting of a 45 LB bag of filler and a 1 gallon bottle of activator or Bulk Size Kits.

Unit Size 54 LB (0.45 cu. ft.)
Filler 1 x 45 LB bag
Activator 1 Gallon Can (approximately 9 LBS)

Unit Size 2,970 LB (24.75 cu. ft.)
Filler 1 x 2,475 LB supersack
Activator 55 Gallon Drum (approximately 495 LBS)

Shelf life for Blome 930 components is one (1) year. Store product in unopened containers and in a dry location. **Optimal Storage: 46 °F to 70 °F. Storage below 46 °F or greater than 82 °F can adversely affect product properties.** Material removed from containers may be contaminated during use. Use after opening. Do not return product to the original container.

ESTIMATED COVERAGE

BID SPECIFICATION GUIDE

54 LB mix (0.45 ft³) - 21.6 ft² @ ¼" thickness

JOB SITE ENVIRONMENTAL CONDITIONS

Use Blome 930 as manufactured by Blome International, O'Fallon, MO.

SURFACE PREPARATION

Blome 930 may be applied while ambient temperatures are between -15°F and 100°F. Blome 930 components must be maintained at their optimal storage temperature range before use (46-82 °F). Any standing, ponding or pooled water shall be removed prior to the installation of Blome 930.

SAFETY PRECAUTIONS

Surfaces should be free of loose material, oil, fresh asphalt/tar and excess moisture (standing water).

DIRECTIONS FOR USE

Blome 930 components, and mixes of them present various health hazards if handled improperly. Read material safety data sheets before use. Blome 930 contains silica dust and can cause eye and skin irritation. Wear respirator suitable for silica dust, safety glasses with side shields, gloves and long sleeve shirts to prevent all contact with skin and eyes. After working with Blome 930, wash thoroughly before eating, drinking, smoking or other activities.

Preparation: For best results, surface must be clean, dry and free from loose material. Remove all dirt, blacktop tar, and oil substances from the area to be covered, leaving a rough, clean surface.

Forms: If forms are needed, use smooth plastic or Formica.

Mixing: To mix material, add aggregate to activator and mix thoroughly. Add only enough activator to obtain the consistency desired for the application. Mix approximately 1 gallon of activator to 45 LBS of aggregate (approximately 1:5 ratio). Material should be mixed immediately prior to placement and should be completed soon as possible.

Deep Pours: For repairs greater than 1" in depth, up to 30 LBS of dry pea gravel can be added for each 45 LBS of Blome 930 as a filler.

Dry pea gravel should be added to the activator before the Blome 930 aggregate is mixed. For large applications, use HOT WEATHER MIX to manage the set time for additional working time.

NOTE: Work areas can be damp, however, standing water should be removed. Water should not be used to dilute the liquid or to adjust consistency of Blome 930.

Cold Weather Application: Set-up time will be longer in colder applications. For those applications where the application temperature is less than 45 °F use COLD WEATHER MIX (one 1.0 LB package per 45 LBS of Blome 930 increases the cure speed by approximately 10 minutes) to accelerate the set time of the mixed material. Addition of the Winter additive should be made after the Blome 930 has been thoroughly mixed, and just prior to the application or pouring of the Blome 930.

Warm Weather Application: For applications where the application temperature is greater than 85 °F, use HOT WEATHER MIX (one 1.0 LB package per 45 LBS of Blome 930 decreases the cure speed by approximately 10 minutes) to manage the exothermic reaction and the working time of the mixed material. The Summer additive should be thoroughly mixed into the liquid portion of the Blome 930. The Blome 930 can then be mixed, and applied/poured.

Pour the mixed 930 Epoxy Underlayment onto the primed concrete. Screed the material evenly using a sawing or back and forth motion. The underlayment must be tightly compacted. Finish surface with a trowel, as needed.

CLEANUP

Keep an adequate supply of water on hand to wash mixer and tools as soon as possible. Setting begins in 9 to 15 minutes at 70 °F.

WARRANTY

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. Our material data sheets and other literature are to be considered accurate and reliable, but are used as guides only. WE GIVE NO WARRANTY OR GUARANTEE, WHETHER OF MERCHANT ABILITY OR FITNESS OF PURPOSE OR OTHERWISE, AND WE ASSUME NO LIABILITY IN CONNECTION THEREWITH. We are happy to give suggestions for applications; however, the user assumes all risks and liabilities in connection therewith regardless of any suggestion, we may give. We assume no liability for consequential or incidental damages. Our liability, in law and equity, shall be expressly limited to the replacement of non-conforming goods at our factory, or at our sole option, to repayment of the purchase price of the non-conforming goods.

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Supersedes all previous literature