

Blome 922 **Acrylic Polymer Fortified Mortar**

PRODUCT DESCRIPTION

Blome 922 is an acrylic polymer fortified mortar for concrete repair and resurfacing. Blome 922 is used as supplied with Blome 922 Powder or with Portland cement and aggregate to restore or re-slope deteriorated concrete surfaces. Blome 922 bonds to existing concrete, making it suitable for patching spalled concrete. This material can also be used as a mortar for filling form voids and honeycombs in vertical concrete surfaces. When mixed as a castable material, Blome 922 is well suited for applications such as restoring pump foundations or re-pitching floors for proper drainage. Blome 922 may be top coated with various Blome high performance coatings and toppings or overlaid with setting beds for brick and tile. Consult Blome for specific recommendations.

TYPICAL PROPERTIES

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|---------------------------------------|-------------------|
| Adhesion to Concrete: | Excellent |
| Compressive Strength (ASTM C-579): | 4,000 psi minimum |
| Flexural Strength (ASTM C-580): | 1,350 psi |
| Tensile Strength (ASTM C-307): | 580 psi |
| Pot Life: | 45 minutes at 75° |
| Curing Times (1/2" thickness at 70°F) | |
| Light Traffic: | 24 hours |
| Heavy Traffic: | 48 hours |
| Final Cure: | 28 days |

Typically suitable for recoat with Blome topcoat in 48-72 hours.

PACKAGING & STORAGE

Blome 922 is packaged in unit sizes as follows:

Multi-Pack Unit consisting of

- 1 – short filled can Resin (6.25 lb. net)
- 1 – 50 lb. bag Powder
- Volume yield: 0.45 cu. ft. or approximately 20 sq. ft @ 1/4" thick

Bulk Unit consisting of

- 1 – 5 gallon pail Resin (42.5 lb. net)
- 7 – 50 lb. bags Powder
- Volume yield: 3.14 cu. ft.

Portland Cement (Type 1) and aggregates may be supplied by others and mixed with Blome 922 Resin to achieve yields listed above. Use a blend of 3:1 sand to Portland Cement and blend with Blome 922 Resin as required.

When using multi-pack units or bulk units with Blome Powder, each component is pre-measured and ready to use. Store unopened components in a dry place, out of direct sunlight and protected from the elements. Storage temperature should be 50-95°F. Care must be taken to prevent Blome 922 liquid from freezing. Properly stored, Blome 922 has a shelf life of 12 months. Refer to the date of manufacture printed on the label.

SPECIFICATION GUIDE

Use Blome 922 Acrylic Polymer Fortified Mortar as manufactured by Blome International, O'Fallon, MO (800) 886-3455. Install in accordance with the latest data sheet for Blome 922 and the corresponding Blome overcoat material as well as good industry practice.

APPLICATION GUIDELINES ENVIRONMENTAL CONDITIONS

Blome 922 should be applied at surface and air temperatures of 50°F minimum and 95°F maximum. The ideal temperature range is 60-90°F. Air temperature should always be at least 5°F greater than the current dew point. Do not apply Blome 922 if temperatures are expected to drop below 40°F within 24 hours after application.

JOBSITE STORAGE OF MATERIALS

Proper storage of Blome International products is important to a successful application. Follow these general storage procedures:

1. Store components, unopened, at 50-85°F, out of direct sunlight and protected from the elements.
2. Keep away from heat and flame. For the 24 to 48 hours just prior to use, adjust the storage temperature to 70-85°F to facilitate handling.
3. All aggregates must be kept dry prior to use.

SURFACE PREPARATION

The following recommendations generally apply to the proper surface preparation of concrete for Blome 922 but consult the data sheet of the Blome overcoat material for any additional or superseding requirements for surface preparation.

1. Concrete must be structurally sound and must not contain any accelerators or curing compounds.
2. Remove all oil, grease, chemicals or other contaminants.
3. Remove all surface laitance and expose sound concrete. Abrasive blasting is preferred. However, other methods, such as acid etching and neutralizing, may be used.
4. Handle all expansion joints, control joints, floor drains, equipment base plates and mid-floor termination points according to Blome construction details.

APPLICATION EQUIPMENT

Blome 922 may be placed using conventional concrete placement and finishing tools, including vibrating screeds and form vibrators. When mixing the multi-pack unit, a paddle mixer can be used. Larger batches of one cubic foot or more should be mixed using a horizontal mortar mixer.

MIXING AND APPLICATION

FOR FILLING FORM VOIDS AND HONEYCOMBS

1. Remix Resin component prior to use.
2. The following batch will yield approximately 0.45 cubic foot of Blome 922 Acrylic Repair Mortar:

| | |
|----------------------------|-----------|
| Blome 922 Resin: | 6.25 lbs. |
| 20-40 mesh sand (angular): | 37 lbs. |
| Portland cement (Type 1): | 12 lbs. |
3. Blend Portland cement and sand and set aside.
4. Slowly add Portland cement and sand mixture to Resin and blend for two minutes.
5. Using a rubber float, apply to the surface. Skim the surface with rubber float, filling form voids and honeycombs. Brush away excess so that no significant thickness is added to the concrete surface.
6. Do not allow surface to become contaminated prior to topcoat application

PLACING MIXED MATERIAL FOR CONCRETE REPAIR

1. Place material onto wet or pre-dampened concrete area.
2. When used as a repair mortar, Blome 922 is typically applied with a steel trowel and finished similar to standard concrete.
3. Screed strips may be set to control thickness and pitch. Screed material using screed boards or vibrating screed. Hand tap using flat trowel. Finish using clean, flat trowel pre-wet with water. Do not attempt to rewet surface by adding water to the surface.
4. When restoring badly deteriorated vertical surfaces, it may be necessary to set forms for placement of Blome 922. Forms should be treated with for release agent or lined with polyethylene. Follow standard concrete construction practices.

TOPCOATING

Blome 922 is not for use under vinyl ester or polyester materials. Do not allow the surface to become contaminated prior to topcoating. If the resurfaced area becomes contaminated prior to application of topcoat, surface must be washed with detergent and sanded or abrasive blasted.

CLEAN-UP

Before Blome 922 begins to cure it can be cleaned from hand tools and equipment using hot, soapy water.

CAUTION

Blome 922 may cause skin irritation with prolonged or repeated contact. Wear safety glasses, gloves and avoid contact with skin and eyes, and refer to the material safety data sheet, which is available for each product.

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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