



pro surface bonding

1. Product Name

ASH GROVE PRO® Surface Bonding Cement

2. Manufacturer

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3. Product Description

ASH GROVE PRO® Surface Bonding Cement is a fiber-reinforced, high-strength structural coating designed as an easy alternative to conventional stucco. ASH GROVE PRO® Surface Bonding Cement is designed to be applied and textured in a single application over concrete, block, brick, stone, or tile walls to create a mortarless block wall with superior structural and flexural strength. Available in gray or white.

BASIC USE:

Recommended for applications such as:

- Building dry stack block walls without mortar
- Water-resistant coating over concrete and masonry
- Structural and decorative coating for restoration
- Concrete and masonry fire walls
- Above or below grade waterproofing

Also for use over:

- Dry stack concrete block walls
- Conventional masonry block and brick walls
- Cementitious backer board
- Concrete walls
- Stone
- Tile

COMPOSITION & MATERIALS:

ASH GROVE PRO® Surface Bonding Cement is a blend of portland cement, sand, fiberglass fibers and proprietary additives.

4. Advantages/Benefits

ASH GROVE PRO® Surface Bonding Cement has several advantages including:

- Fiber-reinforced for superior crack resistance
- Stronger than concrete block walls built with mortar
- Single application stucco finish
- Decorative finish
- Reduces sound transmission
- Easy to finish and cure, paintable
- Suitable for above or below grade applications
- Weather-resistant, durable and noncombustible

5. Preparation

For New or Existing Walls:

Remove all broken and loose concrete from surface to be repaired to ensure strong bond with the material. Clean surface area thoroughly with water. For best results, use a pressure washer to clean the surface. Slick or sealed surfaces must be roughened.

Prior to application, remove excess water from the surface and allow surface to dry. Patch holes, cracks or gaps with ASH GROVE PRO® Surface Bonding Cement or ASH GROVE Pro® Hydro Patch..

For Dry Stack Block Walls:

Verify the integrity of the foundation. Level the first course of blocks in a full bed of mortar or ASH GROVE PRO® Surface Bonding Cement (with no head joints.) Wait 4 hours before stacking remaining blocks if a mortar bed is used or wait 1 hour if ASH GROVE PRO® Surface Bonding Cement is used. Stack remaining courses without mortar from corners in a running bond pattern, butting blocks together. Check the wall every 4 or 5 courses to ensure the wall is plumb and level. Use galvanized brick ties, if necessary, for leveling while stacking.

6. Mixing Instructions

Add water to clean mixing container (approximately 1 1/2 gallons of water per 50 lb. bag). Slowly add ASH GROVE PRO® Surface Bonding Cement while mixing. Mix thoroughly, keeping mixing time to a minimum to avoid fibers breaking down. High speed mixers require only 1 or 2 minutes. Mix only quantities that can be applied within one hour.

For additional strength, aid in curing and freeze-thaw resistance, replace up to 2 qts. Ash Grove Pro® Acrylic Admix or Ash Grove Pro® Primer/Admix. If adhering to foam substrates, replace 1 qt. of water with 1 qt. of Ash Grove Pro® Primer Admixture.

For decorative and custom colors, add ASH GROVE® Cement Color into the dry mix before mixing with water. Available colors are red, black, buff and brown.

7. Placement

Dampen wall surface prior to applying ASH GROVE PRO® Surface Bonding Cement. Do not saturate. Start at the bottom and work toward the top of wall. Apply material at a minimum thickness of 1/8" in an upward motion using a trowel or spray. Texture the material as it is applied. For structural applications, apply a 1/8" thick coating to both sides of the block wall.

For optimum performance, apply when temperatures are between 50°F and 90°F. Weather conditions may affect quality and effectiveness of bond to surface.



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8. Curing

For proper curing protect fresh coating from rain for 12 hours. Spray fog as needed to replace water due to evaporation for 2 days.

If ASH GROVE PRO® Primer/Admix Admixture is used then the coating may be air cured. However, if hot and/or dry winds or low humidity are present then spray fog.

9. Technical Information

ASTM SPECIFICATIONS:

- Meets requirements of ASTM C887 specifications when used as directed.

COMPRESSIVE STRENGTH:

- 1 day 1,600 psi (11.0 Mpa)
- 28 days 3,500 psi (24.1 Mpa)

FLEXURAL STRENGTH:

- 1 day 450 psi (3.1 Mpa)
- 28 days 800 psi (5.5 Mpa)

10. Limitations

Adhering to recommended additions is very important. Exceeding the maximum recommended water content per lb. will result in inferior physical properties.

A bonding agent such as ASH GROVE PRO® Primer/Admix is recommended for maximum adhesion or for a protective coating.

Do not mix more material than can be used within 1 hour.

Do not apply when temperatures are below 50° F or above 90° F

11. Coverage

One 50 lb. bag (22.68 kg) yields approximately 35 to 40 sq. ft. at 1/8" thickness.

35-40 sq.ft.at 1/8" thick 50 lb. bag (22.68 kg)

12. Warning

ASH GROVE PRO® Surface Bonding Cement contains portland cement and sand. Normal safety wear such as protective clothing, boots, rubber gloves, dust masks, eye safety glasses should be worn while handling cement-based products. Material Safety Data Sheets are available upon request or at www.ashgrovepkg.com.

13. Limited Warranty

This product meets or exceeds applicable ASTM C887 standards in force at the time of packaging. Packager, having no control over the use of the material, does not guarantee finished work. Replacement of any defective product or refund of the purchase price of defective product shall be the buyer's sole remedy under this warranty.

THIS LIMITED WARRANTY EXCLUDES ANY LIABILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT OR SPECIAL DAMAGES.

EXCEPT FOR THE LIMITED WARRANTY MADE ABOVE, PACKAGER SPECIFICALLY DISCLAIMS AND EXCLUDES ANY OTHER EXPRESS WARRANTY, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF GOODS AND ANY IMPLIED WARRANTY OF FITNESS OF GOODS FOR ANY PARTICULAR PURPOSE.

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