

Cold Weather Alpha Dry Base Coat 35–50 °F

Dry-mix polymer adhesive and base coat for use with Master Builders Solutions Wall Systems during colder weather (35–50 °F)

PACKAGING

22.6 kg per bag (50 lbs per bag)

COVERAGE

Approximate coverage rates are as follows:

1. Adhere EPS insulation board to substrate: 6.5 m² (70 ft²) per bag via notched trowel method
2. Embed Standard Reinforcing Mesh: 11.1 m² (120 ft²) per bag, Embed Intermediate 12 Reinforcing Mesh: 7.8 m² (85 ft²) per bag, Embed Hi-Impact 20 and Standard Reinforcing Mesh: 6.5 m² (70 ft²) per bag
3. Adhere EPS insulation board to substrate and embed Standard Reinforcing Mesh: 4.6 m² (50 ft²) per bag

DESCRIPTION

Dry-mix polymer adhesive and base coat containing Portland cement, and requiring only water for mixing.

USES

1. For use with the Master Builders Solutions Wall System in cold weather (35–50 °F) to adhere expanded polystyrene insulation board to the following acceptable substrates: ASTM C1177 type sheathings, including DensGlass™ exterior sheathing, eXP™ sheathing, GlasRoc® sheathing, Securock™ glass-mat sheathing, Weather Defense™ Platinum sheathing, GreenGlass® sheathing, PermaBase™ cement-board by National Gypsum and other cement-boards (ASTM C1325 Type A Exterior), Untreated Exposure I or exterior plywood sheathing (grade C-D or better), Untreated Exposure I OSB, gypsum sheathing (ASTM C79/ASTM C1396), poured concrete/unit masonry. **Note: Wood-based sheathing substrates require priming with a Master Builders Solutions Primer.**
2. To adhere expanded polystyrene insulation board to expanded polystyrene insulation board.
3. For use with All Master Builders Solutions Wall Systems to embed Corner Mesh and Master Builders Solutions Reinforcing Mesh.

FEATURES	BENEFITS
Temperature specific	Use when ambient temperature is between 35–50 °F
Fast Set adhesive and base coat	EPS and base coat same day application
Dry, bagged product	Does not require heated shipping or storage, just add water to mix
Mix only what you need	Use for small repairs, reduces dumpster and landfill costs of pail disposal
Lower cement-to-polymer ratio	Reduces the chance for efflorescence
Smooth, creamy consistency	Trowels easily, speeds mesh embedment, reduces applicator arm fatigue, increases job-site productivity
Water based	Safe, non-toxic, clean up easily with soap and water

MIXING

1. Prepare each bag in a 19-liter (5-gallon) container which is clean and free of foreign substances. Do not use a container which has contained or been cleaned with a petroleum-based product.
2. Fill the container with approximately 4.6 liters (1.2 gallons) of clean, potable water.
3. Cold Weather Alpha Dry Base Coat 35–50 °F in small increments, mixing after each addition.
4. Mix the contents of the Cold Weather Alpha Dry Base Coat 35–50 °F pail with a low speed drill and paddle mixer until thoroughly blended.
5. Additional Cold Weather Alpha Dry Base Coat 35–50 °F or water may be added to adjust workability.
6. Let stand for 5 to 10 minutes, then remix and retemper before use.
7. Additives are not permitted.
8. Close container when not in use.
9. Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

APPLICATION

To adhere EPS to acceptable substrates or to other EPS:

Notched trowel method—Apply mixed Cold Weather Alpha Dry Base Coat 35–50 °F to entire surface of insulation board using a stainless steel trowel with 13 mm x 13 mm (1/2" x 1/2") notches spaced 13 mm (1/2") apart, or 10 mm x 10 mm (3/8" x 3/8") notches spaced 10 mm (3/8") apart.

-OR-

Ribbon & dab method—Apply a ribbon of mixed Cold Weather Alpha Dry Base Coat 35–50 °F approximately 50 mm (2") wide by 10 mm (3/8") thick to entire perimeter of each

board with a trowel. Apply dabs or ribbons of 10 mm (3/8") thickness by 100 mm (4") in diameter, approximately 200 mm (8") o.c. over entire surface of board to ensure uniform contact and high initial grab.

Note: Ribbon & dab method is not recommended on gypsum sheathing substrates or Dens-Glass exterior sheathing or other ASTM C1177 sheathing. Allow application of insulation board to dry (normally 8 to 10 hours) prior to application of Cold Weather Alpha Dry Base Coat 35–50 °F/REINFORCING MESH.

To adhere EPS to acceptable substrates on Master Builders Solutions Channeled Adhesive Design option only:

Apply to solid surface of insulation board using a stainless steel trowel with 13 mm x 13 mm (1/2" x 1/2") notches spaced 50.8 mm (2") apart, with the notches installed vertically [parallel to the 50.8 mm (2") dimension]. Allow application of EPS insulation board to dry (normally 8 to 10 hours) prior to application of Cold Weather Alpha Dry Base Coat 35–50 °F/REINFORCING MESH.

As a Base Coat for embedding Reinforcing Mesh:

Cold Weather Alpha Dry Base Coat 35–50 °F shall be applied so as to achieve Reinforcing Mesh embedment with no Reinforcing Mesh color visible. Ensure Reinforcing mesh is free of wrinkles. Allow Cold Weather Alpha Dry Base Coat 35–50 °F with embedded Reinforcing Mesh to dry hard (normally 8 to 10 hours) prior to application of Primer or Finish.

LIMITATIONS

1. Protect bagged materials from moisture during transportation and storage.
2. Store Master Builders Solutions materials in a cool, dry place. Protect from extreme heat and direct sunlight. Shelf life is one year when unopened and stored as directed.
3. Do not apply Master Builders Solutions materials in ambient temperatures below 2 °C (35 °F) or above 10 °C (50 °F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 2 °C (35 °F) prevail.
4. Do not apply Master Builders Solutions materials to frozen surfaces.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting senergy.master-builders-solutions.com/en, e-mailing your request to mbsbscst@mbcc-group.com or calling +1 (800) 433-9517. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

TECHNICAL INFORMATION

Consult Master Builders Solutions Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications. Consult the Wall Systems website at senergy.master-builders-solutions.com/en, for additional information about products and systems and for updated literature.

VOC CONTENT

0 g/l, or 0 lbs/gal less water and exempt solvents.

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