

# Alpha Dry Base Coat

Dry-mix polymer adhesive and base coat

## COLOR

Grey

## PACKAGING

50 lbs per bag

22.6 kg per bag

## COVERAGE PER BAG

### Adhesive

Notch Trowel: 70 ft<sup>2</sup> (6.5 m<sup>2</sup>)

### Mesh Embedment

Flexguard 4: 120 ft<sup>2</sup> (11 m<sup>2</sup>)

Intermediate 12: 85 ft<sup>2</sup> (7.8 m<sup>2</sup>)

Hi-Imact 20 & Flexguard4: 70 ft<sup>2</sup> (6.5 m<sup>2</sup>)

### Adhesive & Flexguard 4 Embedment:

50 ft<sup>2</sup> (4.6 m<sup>2</sup>)

Coverage rates vary depending on porosity of substrates and application techniques.

## VOC

0 lbs/gal (0.0 g/l) less water and exempt solvents

## SHELF LIFE

One (1) years, properly stored in original packaging.

## DESCRIPTION

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

## USES

1. To adhere expanded polystyrene insulation board to the following acceptable substrates: Senersshield-R/-RS/-VB; expanded polystyrene insulation board (EPS); PermaBase<sup>®</sup> Cement Board and other cement boards conforming with ASTM C1325 (Type A - exterior); poured concrete/unit masonry; ASTM C1177 type sheathings, including DensGlass<sup>™</sup> or DensElement exterior sheathing (sheathing only), eXP<sup>™</sup> sheathing, GlasRoc<sup>®</sup> sheathing, Securock<sup>™</sup> glass-mat sheathing, Weather Defense<sup>™</sup> Platinum sheathing, GreenGlass<sup>®</sup> sheathing; gypsum sheathing (ASTM C79/C1396); Exposure 1\* or exterior plywood\* (Grade C/D or better), Exposure 1 OSB\*.  
**\*Note: Not for use directly over wood-based sheathing, Senersshield-R/-RS/-VB required over wood sheathing.**
2. For Senergy reinforcing mesh embedment as part of Senergy Wall Systems and as a skim coat over masonry and concrete above grade substrates.

## ADVANTAGES

Dry, bagged product. Just add water to mix.

Does not require heated shipping or storage.

Mix only what you need, good for use on small repairs, reducing dumpster and landfill costs of pail disposal.

Lower cement to polymer ratio, reducing the chance for efflorescence.

Smooth, creamy consistency that is easy to trowel, speeds mesh embedment, reduces applicator arm fatigue and increases job site productivity.

Water based formula that is safe, non-toxic, and allows for easy clean up with soap and water.

## TEST RESULTS

TEST	METHOD	CRITERIA	RESULTS
VOC	ASTM D3960 (based in part on EPA method 24)	Report Value	0 lbs/gal (0.0 g/l) less water and exempt solvents.
Accelerated Weathering	ASTM G 23	No deleterious effects after 2000 hours.	Pass
Accelerated Weathering	ASTM G 53	No deleterious effects after 7500 hours.	Pass
Water Resistance of Coating in 100% R.H.	ASTM D 2247	No deleterious effects after 14 days exposure.	Pass
Water Vapor Transmission	ASTM E96 Method B	Report Value	Base Coat with Flexguard 4 and Senerflex Finish: 21.4 Perms
Surface Burning Characteristics	ASTM E 84	Report Value	Flame Spread < 25 Smoke Development < 450 (Class A)
Tensile Bond	ASTM C297, E2134	15 psi minimum	> 15 psi
Non-Combustibility of building materials	CAN/ULC-S114	No flaming after 30 seconds. Mass loss <20%	Pass

### SURFACE PREPARATION

Substrates must be clean, dry, sound and free of loose material, releasing agents, paint, efflorescence, contaminants and bond inhibiting coatings. Use Surface Stabilizer WB by Master Builders Solutions for chalky or previously painted concrete and masonry surfaces prior to application of base coat.

- Concrete: allow to cure a minimum of 28 days prior to application of base coat.
- Unit Masonry: allow to cure prior to application of base coat.
- Stucco: allow to cure a minimum of 6 days prior to application of base coat.

### MIXING

Fill a clean container with approximately 1.4 gal (5.6 L) of water, add Alpha Dry Base Coat in small increments, mixing thoroughly to a homogeneous consistency after each additional increment. Allow base coat to set for 5 - 10 minutes, then remix/retemper before use. Additional base coat or water can be added to adjust workability.

- Do not use a container which has contained or been cleaned with a petroleum-based product.
- Additives are not permitted.
- Close container when not in use.
- Clean tools with soap and water immediately after use. Dried material can only be removed mechanically.

### APPLICATION

#### ADHESIVE FOR NON-DRAINAGE EIFS/EPS TO EPS

Notched trowel method: Apply base coat to entire surface of insulation board using a stainless steel trowel with 1/2" x 1/2" notches spaced 1/2" apart (13 mm x 13 mm x 13 mm) or 3/8" x 3/8" notches spaced 3/8" apart (10 mm x 10 mm x 10 mm).

#### ADHESIVE FOR ADHERED SENERGY DRAINAGE EIFS

Apply base coat to entire surface of insulation board using a stainless-steel trowel with 1/2" x 1/2" notches spaced 2" apart (13 mm x 13 mm x 50 mm). Ribbons of adhesive must be applied parallel to the 2' dimension of the EPS insulation board to ensure they are vertical when the EPS insulation board is applied to the substrate. Immediately set board into place and apply pressure over entire surface of board to ensure positive uniform contact and high initial grab. Do not slide board into place. Do not allow base coat to dry prior to installing. Allow application of EPS insulation board to dry (normally 8 to 10 hours) prior to application of Alpha Dry Base Coat/Reinforcing Mesh.

#### BASE COAT FOR REINFORCING MESH EMBEDMENT

Trowel apply base coat to the surface of the insulation board or approved substrate. Fully

embed Senergy reinforcing mesh in to wet base coat, ensure no mesh color is visible. Lap reinforcing mesh a minimum 2 1/2" (64 mm) at edges and 8" (203 mm) around corners. Ensure reinforcing mesh is free of wrinkles. Allow reinforced base coat to dry hard (normally 8 to 10 hours) prior to application of Senergy Primer or Finish.

### DRY TIME

Typically, 8 to 10 hours. Protect from rain and from temperatures less than 40°F (4°C) for 24 hours after installation and until dry.

### LIMITATIONS

1. Not for use directly over wood-based substrates.
2. Do not exceed applied thickness of 1/8" (3.2 mm).
3. Protect from rain and from temperatures less than 40°F (4°C) for a minimum of 24 hours and until dry.
4. Efflorescence of Portland cement-based substrates such as concrete, masonry units and stucco may cause staining or discoloration on the surface of applied base coat.
5. When temperatures less than 40°F (4°C) prevail, provide supplementary heat during installation and drying period for at least 24 hours after installation and until dry. Do not apply in ambient temperature

above 100°F (38°C) or surface temperature above 120°F (49°C).

6. Do not apply Master Builders Solutions materials to frozen surfaces.
7. Not for use on damp surfaces, below-grade applications or on surfaces subject to water immersion.

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#### SHIPPING & STORAGE

- Protect materials during transportation to avoid physical damage. Store in a cool, dry place protected from freezing, extreme heat and direct sun. Store at no less than 40°F (4°C).
- Do not stack pallets.

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#### TECHNICAL SUPPORT

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](http://senergy.master-builders-solutions.com/en), for additional information about products and systems and for updated literature.

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#### 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 [www.master-builders-solutions.com/en-us](http://www.master-builders-solutions.com/en-us), e-mailing your request to [mbsbscst@mbcc-group.com](mailto: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.**

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#### LIMITED WARRANTY NOTICE

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