

Alpha Base Coat

100% acrylic adhesive and base coat

COLOR

Off white prior to addition of Portland

PACKAGING

60 lbs per 5-gallon pail

27.2 kg per 19-liter pail

SHELF LIFE

Two (2) years, properly stored in original containers

COVERAGE PER PAIL

Adhesive

Notch Trowel: 160 ft² (14.8 m²)

Mesh Embedment

Flexguard 4: 280 ft² (26 m²)

Intermediate 12: 200 ft² (18.5 m²)

Hi-Impact 20 & Flexguard 4: 120 ft² (11 m²)

Adhesive & Flexguard 4 Embedment:

120 ft² (11 m²)

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

DESCRIPTION

Alpha Base Coat is a 100% acrylic adhesive and base coat that is field-mixed with Type I or Type II Portland cement. It has a very creamy texture that spreads easily.

USES

1. To adhere expanded polystyrene insulation board to the following acceptable substrates: Senersshield-R/-RS/-VB; expanded polystyrene insulation board (EPS); PermaBase® Cement Board and other cement boards conforming with ASTM C1325 (Type A - exterior); poured concrete/unit masonry; ASTM C1177 type sheathings, including DensGlass™ or DensElement exterior sheathing (sheathing only), eXP™ sheathing, GlasRoc® sheathing, Securock™ glass-mat sheathing, Weather Defense™ Platinum sheathing, GreenGlass® 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

Smooth, creamy consistency.

Familiar 1:1 mixing ratio.

100% Acrylic.

Water based.

Trowels on easily, speeds mesh embedment, reduces applicator arm fatigue, increases job-site productivity.

Easy to mix—less chance of error.

Provides long-term durability.

Safe, non-toxic, clean up easily with soap and water.

TEST RESULTS

TEST	METHOD	CRITERIA	RESULT
VOC	ASTM D3960 (based in part on EPA method 24)	Report Value	0 grams per liter 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	Alpha Base Coat with Flexguard 4 and Senerflex Finish: 15.1 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

MIXING

In a clean container, mix the contents of the Alpha Base Coat pail with a low speed drill and paddle mixer until thoroughly blended. Mix one-part (by weight) Portland cement with one-part Alpha Base Coat. Add Portland cement in small increments, thoroughly mixing to a homogeneous consistency after each additional increment. Allow base coat to set for 5 -10 minutes, then remix/retemper before use. Small amount of 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.
- If Type 1-L Portland is used, contact Technical Service for approval.

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 basecoat.

- 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.

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 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" (3.2mm).
3. Use Type I or II Portland cement, if Type 1-L is intended to be used contact Technical Service for approval.
4. Protect from rain and from temperatures less than 40°F (4°C) for a minimum of 24 hours and until dry.
5. 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.

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

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.

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-mbcc.sika.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 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 senergy-mbcc.sika.com/en, for additional information about products and systems and for updated literature.

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