



Senergy®

Senergy Base Coats / Adhesives

Fast setting dry mix polymer adhesive

Product Bulletin

 **BASF**

We create chemistry

Senergy Base Coats / Adhesives

DESCRIPTION

STANDARD BASE COAT is a 100% acrylic based product that is field mixed with Type I or Type II Portland cement. Used as an adhesive and base coat.

ALPHA BASE COAT is a 100% acrylic based product that is field mixed with Type I or Type II Portland cement. Used as an adhesive and base coat.

ALPHA GENIE BASE COAT is a 100% acrylic, fiber-reinforced base coat, adhesive and leveler that is field-mixed with Type I or Type II Portland cement.

XTRA-STOP BASE COAT is a 100% acrylic adhesive and base coat that is field-mixed with Type I or Type II Portland cement. Noted for its water resistant properties.

ALPHA DRY BASE COAT is a polymer modified, Portland cement based, dry-mix adhesive and base coat requiring only water for mixing.

SENERQUICK is a water-based, non-cementitious, translucent white adhesive, ready to use directly from the pail.

PACKAGING

STANDARD, ALPHA, ALPHA GENIE and XTRA-STOP BASE COATS
27.2 kg per 19-liter pail (60 lbs per 5-gallon pail)

ALPHA DRY
22.6 kg per bag (50 lbs per bag)

SENERQUICK
22.6 kg per 19-liter pail (50 lbs per 5-gallon pail)

USES

STANDARD, ALPHA, ALPHA GENIE, ALPHA DRY, and XTRA-STOP BASE COATS

1. For use with the Senergy SENERFLEX systems to adhere expanded polystyrene insulation board to the following approved substrates: unpainted and unglazed concrete or unit masonry; ASTM C1177 type sheathings, including DensGlass™ exterior sheathing, eXP™ sheathing, GlasRoc® sheathing, Securock™ glassmat sheathing, Weather Defense Platinum sheathing and Green Glass sheathing; PermaBase™ cement board by National Gypsum and other cement boards (ASTM C1325 Type A Exterior); and gypsum sheathing (ASTM C79/ASTM C1396).
2. To adhere expanded polystyrene insulation board to expanded polystyrene insulation board.
3. For use on Senergy wall systems to embed SENERGY REINFORCING MESH to the specified substrate.

STANDARD, ALPHA, and ALPHA DRY BASE COATS As a skim coat to produce a smooth and level surface on masonry or concrete.

ALPHA GENIE BASE COAT can also be used for leveling masonry, stucco and other cementitious substrates. ALPHA GENIE BASE COAT can be applied at a maximum thickness of 6 mm (1/4").

SENERQUICK is for use with the Senergy SENERFLEX systems to adhere expanded polystyrene insulation board to the following approved substrates: unpainted and unglazed concrete or unit masonry; ASTM C1177 type sheathings, including DensGlass™ exterior sheathing, eXP™ sheathing, GlasRoc® sheathing, Securock™ glassmat sheathing, aWeather Defense Platinum sheathing and Green Glass sheathing; PermaBase™ cement board by National Gypsum and other cement boards (ASTM C1325 Type A Exterior); gypsum sheathing (ASTM C79/ASTM C1396), and new and untreated Exposure 1 or exterior grade plywood or Exposure 1 OSB.

NOTE: SENERQUICK is not acceptable for adhering EPS to EPS in any application or for embedding mesh in any application.

ADVANTAGES

| | STANDARD BASE COAT | ALPHA BASE COAT | ALPHA GENIE BASE COAT | XTRA- STOP BASE COAT | ALPHA DRY BASE COAT | SENERQUICK |
|---|--------------------------|-----------------------|--------------------------------|-------------------------------|------------------------------|------------|
| Excellent weather resistance | ● | ● | ● | ● | ● | ● |
| Vapor permeable | ● | ● | ● | ● | ● | ● |
| Easy application | ● | ● | ● | ● | ● | ● |
| Water clean up | ● | ● | ● | ● | ● | ● |
| VOC compliant | ● | ● | ● | ● | ● | ● |
| For extra water resistance on sloped surfaces like parapets & sills | | | | ● | | |
| High build to 1/4" thickness | | | ● | | | |
| Dry blend; Single component needs only water | | | | | ● | |
| One component adhesive; ready to use | | | | | | ● |

COVERAGE

STANDARD, ALPHA, XTRA-STOP BASE COAT

Approximate coverage rates are as follows:

1. Adhere EPS insulation board to substrate: 14.8 m² (160 ft²) per pail via notched trowel method, 16.7 m² (180 ft²) per pail via ribbon and dab method
2. Embed FLEXGUARD 4: 26 m² (280 ft²) per pail
Embed INTERMEDIATE 12: 18.5 m² (200 ft²) per pail
Embed HI-IMPACT 20 & FLEXGUARD 4: 14.8 m² (160 ft²) per pail
3. Adhere EPS insulation board to substrate and embed FLEXGUARD 4: 11.1 m² (120 ft²) per pail
4. As a SKIM COAT for stucco and masonry surfaces: coverage will vary depending on the irregularity of the surface.

ALPHA GENIE BASE COAT

Approximate coverage rates are as follows:

1. Adhere EPS insulation board to substrate: 14.8 m² (160 ft²) per pail via notched trowel method, 16.7 m² (180 ft²) per pail via ribbon & dab method
2. Embed FLEXGUARD 4: 29.7 m² (320 ft²) per pail
Embed INTERMEDIATE 12: 21.3 m² (230 ft²) per pail
Embed HI-IMPACT 20 & FLEXGUARD 4: 16.7 m² (180 ft²) per pail
3. Adhere EPS insulation board to substrate and embed FLEXGUARD 4: 11.1 m² (120 ft²) per pail
4. As a SKIM COAT for stucco and masonry surfaces: coverage will vary depending on the irregularity of the surface.

ALPHA DRY BASE COAT

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 FLEXGUARD 4: 11.1 m² (120 ft²) per bag
Embed INTERMEDIATE 12: 7.8 m² (85 ft²) per bag
Embed HI-IMPACT 20 & FLEXGUARD 4: 6.5 m² (70 ft²) per bag
3. Adhere EPS insulation board to substrate and embed FLEXGUARD 4: 4.6 m² (50 ft²) per bag
4. As a SKIM COAT for stucco and masonry surfaces: coverage will vary depending on the irregularity of the surface.

SENERQUICK

(Approximate) 25.5–30.1 m² (275–325 ft²) per pail

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MIXING

ALPHA, ALPHA GENIE and STANDARD BASE COATS

1. Prepare in a 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. Mix the contents of the BASE COAT pail with a low speed drill and paddle mixer until thoroughly blended.
3. Mix one part (by weight) Portland cement with one part BASE COAT. Add Portland cement in small increments, thoroughly mixing to a homogeneous consistency after each additional increment.
4. Clean, potable water may be added to adjust workability.
5. Let stand for 5 to 10 minutes, then remix and retemper before use.
6. Additives are not permitted.
7. Close container when not in use.
8. Clean tools with soap and water immediately after use.

ALPHA DRY BASE COAT

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 5.6 liters (1.4 gallons) of clean, potable water.
3. Add ALPHA DRY BASE COAT in small increments, mixing after each addition.
4. Mix the contents of the ALPHA DRY BASE COAT pail with a low speed drill and paddle mixer until thoroughly blended.
5. Additional ALPHA DRY BASE COAT 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 with soap and water immediately after use.

SENERQUICK

1. Mix the contents of the SENERQUICK pail with a low speed drill and paddle mixer until thoroughly blended.
2. Additives are not permitted.
3. Close container when not in use.
4. Clean tools with soap and water immediately after use.

APPLICATION

STANDARD, ALPHA, ALPHA DRY, ALPHA GENIE and XTRA-STOP BASE COATS

To adhere EPS to acceptable substrates or to other EPS:

NOTCHED TROWEL METHOD—Apply mixed SENERGY BASE COAT 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 SENERGY BASE COAT 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 ASTM C1177 exterior sheathing. Allow application of insulation board to dry (normally 8 to 10 hours) prior to application of BASE COAT/Reinforcing Mesh.

To adhere EPS to acceptable substrates on the SENERFLEX CHANNELD ADHESIVE AND INSULATION SYSTEMS: 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 mm (2") apart, with the notches installed vertically [parallel to the 610 mm (2') dimension]. Allow application of EPS insulation board to dry (normally 8 to 10 hours) prior to rasping and application of SENERGY BASE COAT/SENERGY REINFORCING MESH.

As a base coat for embedding reinforcing mesh: SENERGY BASE COAT shall be applied so as to achieve reinforcing mesh embedment with no reinforcing mesh color visible. Ensure reinforcing mesh is free of wrinkles. Allow SENERGY BASE COAT with embedded reinforcing mesh to dry hard (normally 8 to 10 hours) prior to application of Senergy primer or finish.

SENERQUICK

Use only to adhere EPS to acceptable substrates. Apply mixed SENERQUICK to entire surface of insulation board using a stainless steel trowel with 5 mm x 5 mm (3/16" x 3/16") notches spaced 5 mm (3/16") apart.

NOTE: The ribbon & dab method is not acceptable.

LIMITATIONS

STANDARD BASE COAT, ALPHA BASE COAT, ALPHA DRY, ALPHA GENIE BASE COAT, and XTRA-STOP BASE COAT

1. Requires job-site mixing. Must be used after mixing.
2. Protect Senergy materials during transportation and installation to avoid physical damage.
3. Store Senergy materials in a cool, dry place protected from freezing. Store at no less than 4°C (40°F). Protect from extreme heat and direct sunlight. Shelf life is two years when unopened and stored as directed.
4. Do not apply Senergy materials in ambient temperatures below 4°C (40°F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 4°C (40°F) prevail.
5. Do not apply Senergy materials to frozen surfaces.

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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.senergy.basf.com. Use only as directed.

TECHNICAL SUPPORT

Consult our Technical Services Department for specific recommendations concerning all other applications. Consult the web site, www.senergy.basf.com for additional information and for updated literature.

WARRANTY

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Product Bulletin, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. In the absence of an extended warranty issued by BASF, any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

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