

Alpha Genie Base Coat

PRODUCT BULLETIN
1020220

Uses

1. For use with the Senerflex[®] Wall System to adhere expanded polystyrene insulation board to the following approved substrates: unpainted and unglazed concrete or unit masonry, Dens-Glass Gold (ASTM C1177), Fiberock Aqua-Tough Sheathing, water-resistant core gypsum sheathing (ASTM C79/ASTM C1396), new and untreated Exposure 1 or exterior grade plywood or Exposure 1 OSB, PermaBase cement-board, Wonder Board cement-board, Durock cement-board, Plycem cement-board, Harditex cement-board, and Eterspan cement-board (ASTM C1325 Type A Exterior).
Note: Wood-based sheathing substrates require priming with SENERPRIME.
2. To adhere expanded polystyrene insulation board to expanded polystyrene insulation board.
3. For use with Senerflex, Senturion[®] I, II and III, Senergy Cement-Board Stucco[™] Wall Systems, all Senergy surfacing systems to embed CORNER MESH and SENERGY REINFORCING MESH.
4. For leveling masonry, stucco, and other cementitious substrates, ALPHA GENIE BASE COAT can be applied at a maximum thickness of 6 mm (1/4").

TECHNICAL INFORMATION

Consult the Degussa Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.cc, for additional information about products and systems and for updated literature.

MIXING

1. Prepare in a container that 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 ALPHA GENIE BASE COAT pail with a low speed drill and paddle mixer until thoroughly blended.
3. Mix 13.6 kg (30 lbs) (one half pail) of ALPHA GENIE BASE COAT and 0.9 liter (32 oz.) of water. While mixing, add 13.6 kg (30 lbs) of Portland cement in small increments; thoroughly mix to a homogeneous consistency after each additional increment.
4. Additional clean, potable water may be added (not to exceed 0.45 liter/16 oz.) to adjust workability.

DESCRIPTION

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

PACKAGE

27.2 kg per 19-liter pail (60 lbs per 5-gallon pail)

COVERAGE

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 expanded EPS insulation board to substrate and embed FLEXGUARD 4: 11.1 m² (120 ft²) per pail.

Features	Benefits
Smooth, creamy consistency	Trowels on easily, speeds mesh embedment, reduces applicator arm fatigue, increases job-site productivity
High build, fiber-reinforced	Achieves excellent resistance to drying shrinkage cracks, improves coverage when embedding mesh
Can be used as a leveling coat up 1/8" thick per pass, 1/4" total	Minimizes multiple applications when leveling shallow spots or filling voids. Spots fasteners in one pass without shrinking and cracking, reduces cement and pail disposal cost
Versatile, multipurpose product	Use as an adhesive, base coat and leveling coat
Water based	Safe, non-toxic, clean up easily with soap and water

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MIXING ~continued

5. Let stand for 5 to 10 minutes.
6. 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.

APPLICATION

To adhere EPS to acceptable substrates or to other EPS:

NOTCHED TROWEL METHOD—Apply mixed ALPHA GENIE 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 ALPHA GENIE Base Coat approximately 50 mm (2") wide by 10 mm (3/8") thick to entire perimeter of insulation 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 Gold. Allow application of insulation board to dry (normally 8 to 10 hours) prior to application of ALPHA GENIE Base Coat/Reinforcing Mesh.

To adhere EPS to approved substrates on Senerflex 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 ALPHA GENIE BASE COAT/REINFORCING MESH.

As a Base Coat for embedding Reinforcing Mesh:

ALPHA GENIE 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 ALPHA GENIE BASE COAT with embedded Reinforcing Mesh to dry hard (normally 8 to 10 hours) prior to application of Senergy Primer or Finish.

As a leveler:

1. Use a straight edge to determine low points.
2. Pre-fill low points of substrate and allow to cure.
3. Using a trowel with a good set, trowel to a level plane with a light touch.
4. Ensure a maximum lift of 3.2 mm (1/8").
5. Repeat, if necessary to a maximum total lift of 6.4 mm (1/4").

Note: On CMU, skim entire wall; allow to cure; skim entire wall with second coat.

LIMITATIONS

1. Protect Senergy materials during transportation and installation to avoid physical damage.
2. 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.
3. 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.
4. Do not apply Senergy materials to frozen surfaces.
5. Requires job-site mixing. Must be used after mixing. Must be stored, applied and protected until dry at 4°C (40°F) or more.

HEALTH AND SAFETY**Caution**

Contains silica, crystalline quartz.

Risk

Ingestion or inhalation of dust may cause irritation. Contains crystalline silica. NTP and IARC recognize respirable crystalline silica as a human carcinogen. Repeated or prolonged overexposure to free respirable quartz may cause silicosis or other serious and delayed lung injury.

Precautions

Avoid contact with skin, eyes and clothing. Prevent inhalation of dust. Wash thoroughly after handling. Keep container closed. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

1. For eye contact, flush thoroughly with water for at least 15 minutes.
2. For skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing.
3. If ingested, do not induce vomiting medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
4. If inhaled, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. SEEK MEDICAL ATTENTION.

Read Material Safety Data Sheet before using this product.

PROPOSITION 65

This product contains materials listed by the state of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

4 g/l, or 0.03 lbs/gal less water and exempt solvents.

For medical emergencies only call chemtrec at (800) 424-9300.

RESIDENTIAL POLICY

On one and two-family residential framed construction, Degussa Wall Systems, Inc. requires that the wall system selected be one that includes provisions for moisture drainage. The choices include Senturion® line of water managed EIFS, commercial Senerflex® Wall Systems integrating moisture management features, Senergy Stucco Wall System, and Senergy Cement-Board Stucco™ Systems. Senergy Exterior Surfacing Systems for insulating concrete forms are also acceptable. There are no exceptions to this policy. Under no circumstances will Degussa Wall Systems, Inc. warrant the use of any other system on this type of construction without expressed written authorization from Degussa Wall Systems, Inc. [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.]

See the *Senergy Residential Policy Bulletin* for a more detailed discussion of this topic. Consult Degussa Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy web-site, www.senergy.cc for additional information about products and systems and for updated literature.

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