

Alpha Dry-S Base Coat

PRODUCT BULLETIN
1024538

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; Aqua-Tough underlayment; water-resistant core gypsum sheathing; new and untreated exposure 1 or exterior grade plywood and OSB; PermaBase cement-board; Wonder Board cement-board; Durock cement-board; Plycem cement-board; Harditex cement-board; and Eterspan cement-board.

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[™] System to embed CORNER GRID and FLEXGUARD Reinforcing Mesh.

Technical Support

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

Mixing-Spray Applications

Connect a source of clean, cool potable water to a mixing machine suitable for EIFS applications. Regulate the water flow rate to provide the desirable mixing consistency of material. Material may thicken upon leaving the mixing cylinder at a given water flow and loosen up after pumping.

Mixing-Pail Applications

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-S BASE COAT in small increments, mixing after each addition.
4. Mix ALPHA DRY-S BASE COAT and water with a mixer to a homogeneous consistency.
5. Additional ALPHA DRY-S 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. Clean tools with soap and water immediately after use.

Application

To Adhere EPS to Approved Substrates or to Other EPS:

Notched trowel method:

Apply mixed ALPHA DRY-S BASE COAT to the substrate with spray equipment. Use a notched 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 to achieve notches. Apply EPS insulation board to the wet ALPHA DRY-S BASE COAT. Insure ALPHA DRY-S BASE COAT is wet when applying EPS insulation board.

Description

ALPHA DRY-S dry-mix polymer adhesive and base coat containing Portland cement, and requiring only water for mixing. ALPHA DRY-S BASE COAT is ideally suited for spray applications. ALPHA DRY-S BASE COAT may also be used for non-spray applications.

Package

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 FLEXGUARD 4:
11.1 m² (120 ft²) per bag;
Embed FLEXGUARD 12:
7.8 m² (85 ft²) per bag;
Embed FLEXGUARD 20 & 4:
6.5 m² (70 ft²) per bag.
3. Adhere EPS insulation board to substrate and embed FLEXGUARD 4 Reinforcing Mesh: 4.6 m² (50 ft²) per bag.

Features

1 Formula optimized for spraying.

2 Dry, bagged product.

3 Lower cement-to-polymer ratio.

4 Smooth, creamy consistency.

5 Water based.

Benefits

1 Superior application properties when spraying.

2 Does not require heated shipping or storage; just add water to mix.

3 Reduces the chance for efflorescence.

4 Trowels easily; speeds mesh embedment; reduces application arm fatigue.

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

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To Adhere EPS to Approved Substrates on Senerflex Channeled Adhesive Design Option Only:

Apply mixed ALPHA DRY-S BASE COAT to the substrate with spray equipment. Use 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 running vertically. Apply EPS insulation board to the wet ALPHA DRY-S BASE COAT. Insure ALPHA DRY-S BASE COAT is wet when applying EPS insulation board.

NOTE: Insure notches are free of excess Base Coat to allow for proper drainage.

As a Base Coat for Embedding Reinforcing Mesh:

ALPHA DRY-S 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 DRY-S BASE COAT with embedded Reinforcing Mesh to dry hard (normally 8 - 10 hours).

Limitations

1. Protect Senergy materials during transportation and storage.
2. Store Senergy 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 Senergy materials in ambient temperature 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.

Health and Safety

Caution

May be harmful if vapors or mist are inhaled, if absorbed through skin, or if swallowed. May cause eye, skin and respiratory tract irritation. Swallowing this product can cause kidney damage.

Precautions

Avoid getting in eyes, on skin, or on clothing. Avoid breathing vapors or mist. Wear safety glasses or goggles, impervious gloves, and clothing with long sleeves and pants. If TLV or PEL can be exceeded, wear respirator selected by a technically qualified person. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Spills

Wipe up small spills with rags. Absorb larger spills with sand, vermiculite, or kitty litter; sweep up and place in a suitable container for disposal.

First Aid

Eyes

For eye contact, rinse eyes with water. Remove any contact lenses, and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops and persists.

Skin

For skin contact, wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops and persists.

Internal

If inhaled, remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

If swallowed, give 3–4 glasses of water, but do not induce vomiting unless directed to do so by a physician. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

Read Material Safety Data Sheet before using this product.

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.

Limited Warranty

Every reasonable effort is made to apply Degussa Wall Systems, Inc. exacting standards both in the manufacture of our products and in the information, which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement or refund DEGUSSA WALL SYSTEMS, INC. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and Degussa Wall Systems, Inc. shall have no other liability with respect thereto, including any liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within thirty days (30) of the date of discovery or one (1) year from the date of shipment which ever is less. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in printed recommendations concerning the use of our products must bear the signature of the Degussa Wall Systems Technical Service Director. Other warranties may be available from Degussa Wall Systems, Inc.; however, this warranty shall apply in the absence of any other written warranty signed by an authorized representative of Degussa Wall Systems, Inc.

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