

# Alpha Dry Adhesive

## Description

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

## Typical applications

- For use with the Senerflex Wall System to adhere expanded polystyrene insulation board to the following acceptable substrates: SENERSHIELD™, SENERSHIELD-R, 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.

- To adhere expanded polystyrene insulation board to expanded polystyrene insulation board.

## Packaging

25 kg per bag

## Coverage

Approximate coverage rates are as follows:

- Adhere EPS insulation board to substrate:  
7.2m<sup>2</sup> per bag via notched trowel method  
8.1m<sup>2</sup> per bag via ribbon and dab method

Features	Benefits
Dry, bagged product	Does not require heated shipping or storage, just add water to mix
Mix only what you need	Use for small repairs, reduces dumpster and landfill costs of unit disposal
Lower cement-to-polymer ratio	Reduces the chance for efflorescence
Smooth, creamy consistency	Trowels easily, speeds mesh embedment, reduces applicator arm fatigue, increases job-site productivity
Water based	Safe, non-toxic, clean up easily with soap and water



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## Mixing

- Place contents of each bag in a 19 L 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.
- Fill the container with approximately 5.25-5.75 L of clean, potable water
- Add ALPHA DRY ADHESIVE in small increments, mixing after each addition.
- Mix the contents of the ALPHA DRY ADHESIVE unit with a low speed drill and paddle mixer until thoroughly blended.
- Additional ALPHA DRY ADHESIVE or water may be added to adjust workability.
- Let stand for 5 minutes, then remix and retemper before use.
- Additives are not permitted.
- Close container when not in use.
- Clean tools with soap and water immediately after use.

## Placing / Application

To adhere EPS to acceptable substrates or to other EPS:

**NOTCHED TROWEL METHOD** - Apply mixed ALPHA DRY ADHESIVE to entire surface of insulation board using a stainless-steel trowel with 13mm x 13mm notches spaced 13mm apart, or 10mm x 10mm notches spaced 10mm apart.

-OR-

**RIBBON & DAB METHOD**—Apply a ribbon of mixed ALPHA DRY ADHESIVE approximately 50mm wide by 10mm thick to entire perimeter of each board with a trowel. Apply dabs or ribbons of 10mm thickness by 100mm in diameter, approximately 200mm 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 DRY BASE COAT/REINFORCING MESH.

*To adhere EPS to acceptable substrates on Senerflex Channeled Adhesive Design option only:* Apply to solid surface of insulation board using a stainless-steel trowel with 13mm x 13mm notches spaced 50.8mm apart, with the notches installed vertically [parallel to the 50.8mm dimension]. Allow application of EPS insulation board to dry (normally 8 to 10 hours) prior to application of ALPHA BASE COAT/REINFORCING MESH.

## Limitations

- Protect bagged materials from moisture during transportation and storage.
- Store Senergy materials in a cool, dry place. Store at no less than 4°C. Protect from extreme heat and direct sunlight. Shelf life is min 6 months when unopened and stored as directed.
- Do not apply Senergy materials in ambient temperatures below 4°C. Provide supplementary heat during installation and drying period at least 24 hours after installation and until dry when temperatures less than 4°C prevail.
- Do not apply Senergy materials to frozen surfaces.



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## Technical Information

Consult the BASF Construction Chemicals Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, [www.senergy.cc](http://www.senergy.cc), for additional information about products and systems and for updated literature.

## Health and Safety

### Caution

Contains crystalline silica, Portland cement, calcium carbonate, fly ash, proprietary polymer.

### Risk

Product is alkaline on contact with water and may cause injury to skin or eyes. 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 local regulations.

## First Aid

- For eye contact, flush thoroughly with water for at least 15 minutes.
- For skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing.
- If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Read Material Safety Data Sheet before using this product.

### Shelf life

The shelf life is 12 months.

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**Note:**

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On one and two-family residential framed construction, BASF 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 BASF Wall Systems, Inc. warrant the use of any other system on this type of construction without expressed written authorization from BASF 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 BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, [www.senergy.cc](http://www.senergy.cc) for additional information about products and systems and for updated literature.

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