

# Alpha Dry Adhesive

Dry-mix polymer adhesive for insulation board

## DESCRIPTION

**Alpha Dry Adhesive** is a dry-mix polymer adhesive containing Portland cement and requiring only water for mixing.

## TYPICAL APPLICATIONS

- For use with the **Senerflex® Wall System** to adhere insulation board to the following acceptable substrates: **MasterSeal AWB 661HP, MasterSeal AWB 661I**, unpainted and unglazed concrete or unit masonry, paper-faced gypsum sheathing, fiberglass mat-faced gypsum sheathing, water-resistant core gypsum sheathing, cement-board, etc.
- To adhere insulation board to insulation board.

## ADVANTAGES

- Does not require heated shipping or storage, just add water to mix
- Use for small repairs, reduces dumpster and landfill costs of unit disposal
- Reduces the chance for efflorescence
- Trowels easily, speeds mesh embedment, reduces applicator arm fatigue, increases job-site productivity
- Safe, non-toxic, clean up easily with soap and water

## PACKAGING

**Alpha Dry Adhesive** is available in 25 kg bag.

## TYPICAL PROPERTIES\*

Bond strength on concrete	>0.5 N/mm <sup>2</sup>
Density	1600 kg/m <sup>3</sup>
Workable time at 25°C at 35°C	Approx. 10 h Approx. 6 h

## APPLICATION GUIDELINES

### 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.

### PLACING / APPLICATION

To adhere insulation board to acceptable substrates or to other insulation board:

#### Notched Trowel Method:

Apply mixed **Alpha Dry Adhesive** to entire surface of insulation board using a stainless steel trowel with 13 mm x 13 mm notches spaced 13 mm apart, or 10 mm x 10 mm notches spaced 10 mm apart.

#### 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 fiberglass mat-faced gypsum sheathing. Allow application of insulation board to dry (normally 8 to 10 hours) prior to application of **Alpha Dry Base Coat/Reinforcing Mesh**.

A brand of

## Alpha Dry Adhesive

### CLEANING

Clean tools with soap and water immediately after use.

### COVERAGE / YIELD

Approximate coverage rates to adhere insulation board to substrate are as follows:

EPS

- 7.2 m<sup>2</sup>/25 kg via notched trowel method
- 8.1 m<sup>2</sup>/25 kg via ribbon and dab method

Rockwool

- 3.0 m<sup>2</sup>/25 kg via notched trowel method

*Note: Application rates will depend upon the quality of application and surface texture / density of the insulation board.*

### WATCHPOINTS

- Protect bagged products from moisture during transportation and storage.
- Do not apply 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 to frozen surfaces.

Consult the Master Builders Solutions Construction Chemicals Technical Services Department for specific recommendations concerning all other applications.

### STORAGE AND SHELF LIFE

Store in a cool, dry place. Store at no less than 4°C. Protect from extreme heat and direct sunlight. Shelf life is 12 months when unopened and stored as directed.

### HEALTH AND SAFETY

As with other products containing Portland cement, the cementitious material in **Alpha Dry Adhesive** may cause irritation. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Call a physician. In case of contact with skin, wash skin thoroughly.

Read Material Safety Data Sheet before using this product.

### QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

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