

# Alpha Dry Base Coat

## Dry-mix polymer adhesive and base coat

### DESCRIPTION

**Alpha Dry Base Coat** is a dry-mix polymer adhesive and base coat 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.
- For use with wall systems to embed **Corner Mesh** and **Senergy Reinforcing Mesh**.

### 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 Base Coat** is available in 25 kg bag.

### TYPICAL PROPERTIES\*

Bond strength on concrete	>0.5 N/mm <sup>2</sup>
Density	1700 kg/m <sup>3</sup>
Workable time at 25°C at 35°C	Approx. 8 h Approx. 5 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 5.6 L of clean, potable water
- Add **Alpha Dry Base Coat** in small increments, mixing after each addition.
- Mix the contents of the **Alpha Dry Base Coat** unit with a low speed drill and paddle mixer until thoroughly blended.
- Additional **Alpha Dry Base Coat** 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 Base Coat** 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 Base Coat** approximately 50 mm wide by 10 mm thick to entire perimeter of each board with a trowel. Apply dabs or ribbons of 10 mm thickness by 100 mm in diameter, approximately 200 mm over entire surface of board to ensure uniform contact and high initial grab.

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**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**.

## As a Base Coat for embedding Reinforcing Mesh:

**Alpha Dry Base Coat** shall be applied so as to achieve **Senergy Reinforcing Mesh** embedment with no reinforcing mesh colour visible. Ensure reinforcing mesh is free of wrinkles. Allow **Alpha Dry Base Coat** with embedded reinforcing mesh to dry hard (normally 8 to 10 hours) prior to application of **Tinted Primer** or **Finish Coat**.

## CLEANING

Clean tools with soap and water immediately after use.

## COVERAGE / YIELD

Approximate coverage rates are as follows:

- Adhere insulation board to substrate:
  - 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
    - 4.1 m<sup>2</sup>/25 kg via notched trowel method
- Embed **Flexguard 4**:
  - EPS: 12.2 m<sup>2</sup>/25 kg
  - Rockwool: 5.6 m<sup>2</sup>/25 kg
- Embed **Intermediate 12 & Flexguard 4**:
  - EPS: 7.2 m<sup>2</sup>/25 kg
  - Rockwool: 3.7 m<sup>2</sup>/25 kg

*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 Base Coat** 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.

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### 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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