



Ultra Bond

Dry-mix polymer adhesive for insulation board

PACKAGING

Ultra Bond is available in 25kg units

COVERAGE / YIELD

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

EPS

1. 7.2 m²/25 kg via notched trowel method
2. 8.1 m²/25 kg via ribbon and dab method

Rockwool

1. 3.0 m²/25 kg via notched trowel method

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

STORAGE & 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.

DESCRIPTION

Ultra Bond is a dry-mix polymer adhesive containing Portland cement and requiring only water for mixing.

TYPICAL APPLICATION

1. For use with the EnergyShield Wall System to adhere insulation board to the following acceptable substrates: Unpainted and unglazed concrete or unit masonry, paperfaced gypsum sheathing, fiberglass mat-faced gypsum sheathing, water-resistant core gypsum sheathing, cement-board, etc
2. To adhere insulation board to insulation board.

ADVANTAGES

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

TYPICAL PROPERTIES

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

APPLICATION GUIDELINES

MIXING

1. 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.
2. Fill the container with approximately 5.25-5.75 L of clean, potable water
3. Add Ultra Bond in small increments, mixing after each addition.
4. Mix the contents of the Ultra Bond unit with a low-speed drill and paddle mixer until thoroughly blended.
5. Additional Ultra Bond or water may be added to adjust workability.
6. Let stand for 5 minutes, then remix and retemper before use.
7. Additives are not permitted.
8. Close container when not in use.



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PLACING AND APPLICATION

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

Notched Trowel Method:

Apply mixed Ultra Bond 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 Ultra Bond 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 Ultra Base Coat/Reinforcing Mesh

CLEANING

Clean tools with soap and water immediately after use.

WATCH POINTS

1. Protect bagged products from moisture during transportation and storage.
2. 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.
3. Do not apply to frozen surfaces. Consult the Gulf Additive Factory Technical Services Department for specific recommendations concerning all other applications.

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HEALTH & SAFETY

As with other products containing Portland cement, the cementitious material in Ultra Bond 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 & CARE

All products originating from GAF Qatar facility manufactured under a management system independently certified to conform to the requirements for the quality, environmental and occupational health management system standards ISO 9001 and ISO 14001.

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NOTE: Field service where provided does not constitute supervisory responsibility. Suggestions made by GAF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not GAF are responsible for carrying out procedures appropriate to a specific application.

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