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MaxGrip Veneer Mortar

High-strength specially formulated setting bed mortar used to adhere natural and manufactured stone, ceramic tile, and thin brick veneer

Product Bulletin

DESCRIPTION

Dry-mix polymer-modified setting bed mortar that contains Portland cement.

PACKAGING

50 lbs per bag (22.6 kg per bag)

YIELD

SOLID LAYER APPLICATION

for stone and thin brick veneers

3/16" thickness:

20–23ft² (1.9–2.1 m²)

1/4" thickness:

16–18ft² (1.5–1.7 m²)

3/8" thickness:

10–12ft² (0.9–1.1 m²)

NOTCHED APPLICATION

for tile

1/4" x 3/8" Notched Trowel

55–65 ft² (5.1–6.0 m²)

1/2" x 1/2" Notched Trowel

35–45 ft² (3.2–4.2 m²)

SKIMCOAT

1/16" thickness:

60–70 ft² (5.6–6.6 m²)

Note: When estimating material requirements, consider both material required for skim coat plus the material applied to the veneer.

Shelf life is one year when unopened and stored as directed.

USES

MAXGRIP VENEER MORTAR can be used to adhere thin brick veneer, natural and manufactured stone and tile to a broad range of substrates, for exterior and interior applications. It can be used in commercial and residential construction.

MIXING

1. Prepare to mix one bag in a 5-gallon (19-liter) pail that is clean and free of foreign substances. Do not use pails that have contained or been cleaned with a petroleum-based product.
2. Add the following amount of clean, potable water to a pail:
For skim coat or thin brick veneer: 1.0–1.25 gallons (3.8–4.7 liters).
Stone and tile: 0.75–1.0 gallon (2.8–3.8 liters).
3. Add a full bag of MAXGRIP VENEER MORTAR to the pail in small increments, mixing after each addition.
4. Mix with a low speed drill and 4-sided mortar paddle until thoroughly blended.
5. Additional water may be added to adjust workability. The total amount of water added shall not exceed the amounts shown in Step #2.
6. Let stand for 5 to 10 minutes, then remix / retemper for 1 minute before use.
7. The mixed material should have a thick putty consistency and not slide off the trowel when held vertically.
8. Additives are not permitted.
9. Protect from direct sun and wind.
10. Clean tools and equipment with water immediately after use. Dried materials can be mechanically removed.

APPLICATION

All surfaces shall be between 40 °F (4 °C) and 100 °F (38 °C). Surfaces shall be clean, free of dirt, oil, grease, paint, concrete sealers or curing compounds, and structurally sound. Ensure that all control and expansion joints are not covered with MAXGRIP VENEER MORTAR. Manufactured stone shall comply with applicable requirements of ICC-ES Acceptance Criteria

AC51. Thin brick veneer shall comply with applicable requirements of ASTM C 1088 per the Brick Industry Association.

1. For Stucco Brown coat, cement board, CMU, poured in place or precast concrete substrates, apply BASF Wall Systems base coat or MAXGRIP VENEER MORTAR as a skim coat over the acceptable substrate at approximately 1/16-inch (1.6mm) thick. Apply to an area that can be covered with adhered veneer before the skim coat dries.
2. For thin brick veneer units, spread MAXGRIP VENEER MORTAR onto the back of bricks in a continuous layer nominally 3/16- to 3/8-inch 5–9mm thick and press bricks firmly into place on the substrate.
For stone veneer, apply MAXGRIP VENEER MORTAR to the back of clean stone veneer in a continuous layer nominally 3/16- to 3/8-inch (5–9mm) thick. Press firmly in place with a twisting movement until excess material exudes from the sides of the unit. Remove excess MAXGRIP VENEER MORTAR between units.
For tile, installation should proceed in accordance with ANSI A 108.5 (the type and size of the tile will dictate adhesive application). MAXGRIP VENEER MORTAR shall be applied and veneer installed such that the MAXGRIP VENEER MORTAR be free of voids.
3. Allow MAXGRIP VENEER MORTAR to cure for 24-hours before applying pointing mortar (if used).
4. Refer to respective manufacturer instructions for veneer and pointing mortar.

ACCEPTABLE SUBSTRATES

System Substrate

BASF Stuccobase, scratch or brown coat and Portland Cement Plaster (Stucco) scratch or brown coat complying with ASTM C 926

Cement board complying with ASTM C 1325 Type A

Poured in place concrete, CMU, or precast concrete

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LIMITATIONS

1. Protect bagged materials from moisture during transportation and storage.
2. Store materials in a cool, dry place. Protect from extreme heat and direct sunlight.
3. Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 40 °F (4 °C) prevail.
4. Protect from freezing for minimum of 72-hours after installation.
5. Do not apply if rain is forecast within the next 24-hours.
6. Veneer should not exceed 15 lbs per square foot.

TECHNICAL DATA

1. ANSI 118.4, 28 day shear strength results: 565psi (3.9MPa)
2. ASTM C-109: Result- 4000 psi.
3. Freeze-thaw stable per ASTM C-666 (modified using full IVS composite in place of concrete beam).
4. Working time: 1 – 2 hours after water has been added. Open time is affected by humidity, temperature, and other environmental conditions.

HEALTH, SAFETY, AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.wallsystems.basf.com. Use only as directed.

TECHNICAL SUPPORT

Consult BASF Technical Services Department for specific recommendations concerning all other applications. Consult the Wall Systems website at www.wallsystems.basf.com, for additional information about products and systems and for updated literature.

VOC Content

0 g/l, or 0 lbs/gal less water and exempt solvents.

For medical emergencies only call Chemtrec® at (800) 424-9300

WARRANTY

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