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

**USES**

For use to adhere thin brick veneer, natural and manufactured stone, and tile with BASF Adhered Drainage CI, Non Insulated Stucco and Cement Board Systems. Additional acceptable substrates: Portland Cement Plaster (Stucco) scratch or brown coat complying with ASTM C 926, PermaBase® Cement Board and other cement boards conforming with ASTM C1325 (Type A - exterior), poured and precast concrete/unit masonry.

Note: Approved over BASF - Wall Systems air/water-resistive barriers on masonry units and concrete.

**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: 1.0–1.5 gallons (3.8–4.7 liters).
   - Stone and tile: 0.75–1.25 gallons (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 BASF Adhered Drainage CI Systems, 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.

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.

**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: 20–23 ft² (1.9–2.1 m²) |
| 1/4” thickness: 16–18 ft² (1.5–1.7 m²) |
| 3/8” thickness: 10–12 ft² (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.

**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: 20–23 ft² (1.9–2.1 m²) |
| 1/4” thickness: 16–18 ft² (1.5–1.7 m²) |
| 3/8” thickness: 10–12 ft² (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.

**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 BASF Adhered Drainage CI Systems, 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.

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.
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. Do not wet skim coat or veneer with water prior to installation.
7. 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
BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Product Bulletin, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. In the absence of an extended warranty issued by BASF, any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on BASF’s present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. BASF reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.