

**VBM**  
**VBM 300**  
**VBM 500**

**04** DIVISION  
MORTAR  
**PRODUCT DATA**

## VENEER BONDING MORTAR

### *Polymer Modified*

#### MEDIUM BED >3/8" SETTING BED

Medium Bed masonry bonding mortars are ideal for adhering manufactured stone, natural stone, precast concrete, pavers, and similar masonry veneers

**VBM:** ANSI 118.4\* Modified Dry Set Cement Mortar. Outstanding bond strengths suitable for a variety of veneers and substrates.

**VBM 300:** ANSI 118.4\* Large Format Tile formulation with increased bond strengths, water repellancy, freeze thaw, and improved non sag properties and extended open times in warm weather.

**VBM 500:** ANSI 118.15\* Ultimate bond strengths for the most demanding installations. Ideal for commercial environments and installations over 10'. Maximum water repellancy and freeze thaw.

#### FEATURES & BENEFITS

- Economical
- Superior medium bed bonding mortar
- Includes efflorescence reducing additives
- High bond and compressive strengths
- Excellent workability and board life
- Low shrinkage, High water retention
- Convenient handling and transporting
- Exceptional bond for horizontal paver installations

#### SUITABLE SUBSTRATES

- Prepared Concrete
- Concrete Masonry (Untreated)
- Gypsum Board
- Approved Cement Backer board\*
- Cement Plaster
- Cement Mortar Beds

\*For Cement Backer board applications, HangTite recommends TiteBond VBM Thinset and/or replacement of a portion or all of the mixing water with R-Acrylic. Contact technical support for details.

#### LIMITATIONS

Not recommended for green marble, or water sensitive natural stone. Application thickness should be >1/4". Avoid installations in high heat, cold, or wind (follow ANSI, TCNA, or ASTM guidelines). Do not apply when temperatures are below or expected to fall below 40°F prior to cure. Substrates must be sound; any cracks or excessive movement may telegraph through mortar or cause bond failure. Always perform quality control testing before and during installation. Follow local building code requirements. Not recommended over partial board, masonite, or hardwood floors.



#### Coverage perbag (units)\*\*

- 3/8" Full Coverage (Masonry Veneer) ~18 SF
- 1/2" Full Coverage (Masonry Veneer) ~ 12 SF

\*\*All coverage is approximate and depend upon substrate, details and individual application

#### Packaging/Shelf Life/Storage

Packaging:  
VBM  
VBM 300  
VBM 500  
50 lb. (22.5 kg)

moisture resistant bags.

Shelf Life: 6-8 Months

Storage: Protect from weather in a cool dry area, with low humidity.

#### Technical Data

- ANSI 118.4\* VBM & VBM 300)
- ANSI 118.15\* (VBM 500)

Note: Specimens must be air cured for 7 days prior to testing due to their high water retention and water repellancy (per ANSI 118.1)

VBM and MAC are trademarks of R-Create, Inc.

**HangTite™**



**SUBSTRATE**

The substrate must be structurally sound and conform to good engineering practices. Substrate deflections under all live, dead and impact loads, including concentrated loads must not exceed L/360 for thin bed installation or L/480 for thick bed stone installations where L=Span Length. Installations shall be in accordance with International Building Code, ANSI, CBC, ASTM, and local building codes. Movement joints shall be brought through mortar and veneer to the surface. All surfaces must be sound, clean, and free of any dirt, oil, paint, bondbreakers, efflorescence, and/or contaminants which may hinder bond. Roughen smooth surfaces.

**VENEER APPLICATION**

HangTite recommends a wet to wet installation achieved by applying mortar to both the veneer and the substrate. When applying the mortar, always press the mortar (Key-in) firmly to the bonding surfaces to ensure good contact. Veneer must have 100% coverage with mortar squeezing out on all sides. Always perform quality control testing before and during application. Smooth or non-absorptive surface require TiteBond VBM Thinset, TiteBond VBM LFT Thinset, or other premium products. Please check with customer service for recommendations.

**INSTALLATION**

<p><b>1 Preparation</b></p> <ul style="list-style-type: none"> <li>- Clean surface of all contaminants and bond breakers.</li> <li>- Check for sound substrate.</li> </ul>	<p><b>2 Mix</b></p> <ul style="list-style-type: none"> <li>- Add mortar to clean water (~approx. 5 quarts per 50Lb bag)</li> </ul>
<p><b>3 Application</b></p> <ul style="list-style-type: none"> <li>-Firmly press mortar into substrate and veneer.</li> <li>- 100% coverage</li> <li>- Wet to Wet bond</li> </ul>	<p><b>4 Placement</b></p> <ul style="list-style-type: none"> <li>- Press veneer firmly into place pressing mortar out of veneer edges. 100% coverage.</li> </ul>
<p><b>5 Grout</b></p> <ul style="list-style-type: none"> <li>-Allow minimum 24 Hrs before traffic or grouting.</li> <li>-Grout with appropriate HangTite Type S Mortar, Type S Plus, or Fine Joint Grout.</li> </ul>	

\* VBM medium bed mortars are specifically formulated for medium to high absorptive materials. All ANSI 118 qualifications are based on ceramic tile results. Not recommended for porcelain, very dense materials, or cement backer board installations.

For applications with higher density materials (ie Porcelain or green marble) or cement backer board substrates, HangTite recommends TiteBond Thinset products and/or the addition of R-AccrylicAd as a replacement to all or part of the mixing water. Please contact a HangTite representative for recommendations.



**Limited Warranty:** Visit [www.HangTite.com](http://www.HangTite.com) for full limited warranty. Recommendations for use of this product are based on reliable tests. No guarantee of results is made where conditions are beyond our control. Nor representations either expressed or implied are made with respect to the product except as herein stated and under no circumstances either expressed or implied will the manufacturer be liable for damages in excess of the purchase price of this product.



**HangTite™**

HangTite LLC  
[www.HangTite.com](http://www.HangTite.com)  
(801) 550-1589