

VBM-VP Installation System

Short Form Specification

For Veneer and Paver Installation

Installation products for manufactured stone, natural stone, precast concrete, and large format tile veneers and pavers.

Part 2 Products

A - Thin Bed Bonding Mortar

Basis of design shall be VBM _____ Polymer modified thin-set mortar which includes an integral water repellent/efflorescence control additive. Water absorption properties less than 6%*. Shall meet the shear bond requirements of ANSI 118.4. Color shall be _____. R-Crete Inc. 949-888-8401 info@rcrete.com.

B - Thick/Medium Bed Bonding Mortars

Basis of design shall be VBM _____ Polymer modified Type S Masonry Mortar. Mortar shall include an integral water repellent/efflorescence control additive. Water absorption properties less than 6%*. Shall meet the property specifications of ASTM C270 -Type S Masonry Mortar and the shear bond requirements of ANSI 118.4 (thick bed). Color shall be _____. R-Crete Inc. 949-888-8401 info@rcrete.com.

C - Thick Bed Paver installation

Slurry bond coat basis of design shall be VBM _____. Shall meet the shear bond properties of ANSI 118.4. Water absorption properties less than 6%*. R-Crete Inc. 949-888-8401 info@rcrete.com.

Thick bed - dry pack leveling coat basis of design shall be _____. Compressive strength shall be a minimum of 5000 PSI. Shall include an integral water repellent/efflorescence control additive and water absorption less than 6%*. R-Crete Inc. 949-888-8401 info@rcrete.com.

D - Joint Grout- Course Sand (large joints)

Basis of design shall be _____ a Modified Type S Masonry Mortar which includes an integral water repellent/efflorescence control additive. Mortar shall meet the property specifications of ASTM C270. Color shall be _____. R-Crete Inc. 949-888-8401 info@rcrete.com.

E - Joint Grout- Fine Sand (small joints)

Basis of design shall be _____ A polymer modified grout which includes an integral water repellent/efflorescence control additive. Meets the compressive strength and water absorption requirements of ANSI 118.7* less than 5%. Color shall be _____. R-Crete Inc. 949-888-8401 info@rcrete.com.

F - Related Products

Elastomeric waterproofing/Bonding adhesive/Anti-Fracture Membrane – Basis of design shall be _____ compatible with bonding mortar. (ANSI 136.1 – Organic Adhesives & ANSI 118.12 – Crack Isolation Membranes). R-Crete Inc. 949-888-8401 info@rcrete.com.

Options

Bonder
Poly Thin Brick**

Options

Poly 500
Poly 300
Poly LFT**
VBM**

Options

Bonder
Poly Thin Brick**
Thinset**

Options

OBP Poly Deck Mud
OBP Deck Mud Plus
OBP Deck Mud**

Options

MAC Plus Premium
MAC Plus
MAC**

Options

VP Joint Grout Premium
VP Joint Grout

Options

R-Lastic

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- * - Water absorption for best results
- ** - Contains water repellent/efflorescence control additive but may not meet water absorption properties.

Part 3 Execution

A - Substrates

1. Sound and conform to good design – engineering practices.
2. Maximum deflection of L/360 uniformly distributed.
3. Wall shall be level and true within 1/8 in. in 8 ft.
4. Must be clean and free from any curing compounds, bond breakers, dust, dirt, oil and anything which may hinder bond.
5. Smooth surfaces must be roughened.
6. Extend all control joints through veneer to the surface.
7. Installed per manufacturer instructions.

B - Installation

1. Veneers and pavers shall be installed per manufacturer's and/or mortar manufacturer's recommendations.
2. All bonding mortars must be firmly keyed into all surfaces to be bonded.
3. 100% coverage required for all veneers and pavers.

Part 4 Installation Techniques

Options:

A - Wet to Wet

A coat of the bonding mortar shall be firmly pressed onto the substrate and the veneer/paver. While still wet and tacky, veneer/paver shall be firmly pressed together. 100% Coverage

B - Veneer/Paver Loading

A coat of the bonding mortar shall be firmly pressed onto the veneer/paver and firmly pressed onto the substrate. 100% coverage.

C - Tile Setters Method

The substrate shall receive a coat of the bonding mortar. Firmly pressed onto the substrate - 100% coverage. The tile, Thin Brick, or similar small veneer shall be pressed firmly into the wet mortar assuring full contact.

Part 5 Quality Assurance

1. Prior to installation, build a mock-up using the products and installation techniques to assure desired results.
2. During installation periodically _____ (Frequency) check work performed. Remove bonded materials shortly after, within 3 minutes, to check that bonding mortar is equally bonded to the substrate and veneer – 100% Coverage.
3. For color consistency, perform test prior to installation using the techniques to be used on the job. The installation techniques must be consistent for color conformity and be used throughout the entire job.

Options

Daily
Per 1000 SqFt