

**PRODUCT:** R-MORTAR AID – VBM™  
R-MORTAR AID – Poly VBM™

# VBM™

## Veneer Bonding Mortar Additives

**DESCRIPTION:** R-Mortar Aid -VBM™ and Poly VBM™ are powdered admixtures that produce high bond strength masonry and thin set mortars for installing manufactured stone, natural stone, precast concrete, brick veneers and pavers. They are added to portland cement and clean sand. Mortars have high bond strengths, good non-sag properties, low shrinkage and efflorescence reducing properties. Poly VBM formulas offer higher bond strengths and water repellent properties. R-Mortar Aid -VBM and Poly VBM offer superior performance, easier and safer handling than lime mortars. They are available in different formulas to best meet individual job requirements.

**VBM-2:** Concentrate formula. Save on shipping and handling costs. May be used alone or with additional pozzolans. 1 unit is 2 lbs.

**VBM-5:** Standard formula. Includes pozzolans for added workability and strength. 1 unit is 5 lbs.

**Poly VBM-6:** Poly 100 formula. Includes water repellent bonding polymers. 1 unit is 6 lbs.

**Poly VBM-8:** Poly 300 formula. Includes a higher level of polymer than VBM-6. 1 unit is 8 lbs.

**CCA:** Is the water repellent-bonding polymer used for Poly VBM formulas. Poly VBM formulas may be made or enhanced with VBM and CCA.

**USES:** For producing high bond strength mortars for installing manufactured stone, natural stone, precast concrete and brick veneers. Poly VBM formulas are recommended when higher bond strengths and water repellent properties are required. (pavers, natural stone, high traffic areas and difficult bonding surfaces. R-Mortar Aid VBM and Poly VBM also produce strong, durable plaster base and texture coats. VBM and Poly VBM mortars are used on all types of projects - residential, commercial, industrial and institutional.

### ADVANTAGES:

- High bond strength
- Reduce efflorescence
- Versatile
- Safer to handle
- Easier shipping
- Water repellent (poly formulas)
- Low shrinkage

**TECHNICAL DATA:** R-Mortar Aid-VBM and Poly VBM will produce masonry mortars meeting the property specifications of A.S.T.M. C-270 for Type S/M mortars when proportioned as recommended. Masonry mortars and thin set mortars can be produced meeting the shear bond strength of ANSI 118.1 and 118.4 when proportioned as recommended.

### Addition Rate:

#### Veneer Bonding Masonry Mortars:

Portland cement	94 lbs.
Clean masonry sand	200-300 lbs.
VBM or Poly VBM	1-2 units <sup>1</sup>
CCA – Polymer	0-10 lbs.
Pozzolan <sup>2</sup>	0 -10 lbs.

#### Thin Set Mortars

Portland cement	94 lbs.
Clean silica sand	100-250 sand
VBM or Poly VBM	2- 4 units <sup>1</sup>
CCA – Polymer	0 -10 lbs.
Pozzolan <sup>2</sup>	0-10 lbs.

#### Joint Grout

Portland Cement	94 lbs.
Clean Sand <sup>3</sup>	200-300 lbs.
VBM or Poly VBM	½ - 1 unit <sup>1</sup>
CCA-Polymer	0-10 lbs
Pozzolan <sup>2</sup>	0-10 lbs.

#### Stucco Base Coats

Portland cement	94 lbs.
Clean plaster sand	250-350 lbs.
VBM or Poly VBM	.5-1 unit <sup>1</sup>
CCA - Polymer	0-10
Pozzolan <sup>2</sup>	0-10

1.VBM-2: 1 unit =2 lbs.

Poly VBM-6: 1 unit=6 lbs.

VBM-5: 1 unit= 5 lbs.

Poly VBM-8: 1 unit=8 lbs.

2. Pozzolan: R-Pozz, lime, fly ash, metakolin, silica fume or other fine pozzolan.

3. Clean Sand: grade will vary with desired texture and use.

**PACKAGING AND HANDLING:** R-Mortar Aid VBM and Poly VBM are available in single unit retail packages (5-8 lbs.), 50 lb. paper bags and 2000 lb. bulk bags. Shelf life is 5 years when stored in a cool dry area in original package. R-Mortar Aid is non-hazardous, however, proper respirator and safety glasses are recommended. See MSDS before handling.

**LIMITATIONS:**

- Do not use with gypsum gauging plaster.
  - Protect mortar from freezing prior to set.
  - Proper curing and protection required in extreme heat, wind and cold.
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