

Pro-Line Stone-Veneer-Set

Polymer-Modified Setting Mortar

Packaging: Available in 50 lb. bags. Gray/White

- * **Flexible-High Bond Strength**
- * **Use Interior or Exterior**
- * **No V.O.C.**
- * **Contributes to LEED®**

Usage: Stone-Veneer-Set is used as a mortar bond coat for setting precast, natural stones such as marble, granite and slate, cultured stone and lightweight masonry veneer units for service in residential and commercial use. Stone-Veneer-Set has excellent water and impact resistance, is water-cleanable, non-flammable and ideal for both interior and exterior work. Stone-Veneer-Set provides a permanent installation with higher bond strength and lower material and labor costs. Use Stone-Veneer-Set for placing stone veneer on fireplaces, landscapes, walls, entryways, chimneys and custom accents. Suitable substrates can be either horizontal or vertical and include concrete, masonry, stud walls, galvanized metal lath, exterior grade plywood, and backerboards. Exceeds ASTM C270 bond strength requirements. Material conforms as it pertains to setting of ceramic, stone, or marble tiles.

ANSI A118.1, A118.4, A118.11, A108.5

Preparatory Work: All surfaces must be dry, structurally sound and not subject to extreme temperatures (below 40°F or above 100°F) during installation. Surfaces must be free of all grease, oil, dirt, dust, sealers, coatings, old adhesive residues, and any other foreign matter.

Stone or tile: Remove any release agent (usually a whitish powder), dust, or other contaminants found on the tile or stone back. This may be done by scrubbing with a nylon brush and water.

Cementitious Substrates: Clean via mechanical sanding, scraping, or chipping. Surface may also be cleaned with muriatic acid if thoroughly flushed and neutralized. Smooth, steel troweled concrete surfaces must be mechanically scarified to ensure a good bond. Dry porous concrete should be dampened prior to masonry veneer installations - do not leave puddles or standing water on surfaces.

Non-Cementitious Substrates: Vertical surfaces such as old plaster or painted surfaces that provide bonding problems should be mechanically scarified. They may be covered with a 3/8" to 3/4" coated wire mesh reinforced scratch coat or wall float. After a minimum of 20 hours, the dry-set mortar may be applied to the mortar bed.

Expansion Joints: Expansion joints shall be installed in accordance with local building codes. Expansion joints, control joints and cold joints should never be bridged with setting material.

Mix: Stone-Veneer-Set dry powder should be added to clean, cool, potable water only at the rate of approximately 1 1/2 gallons per 50 lb. bag. Mix thoroughly until smooth and let the mortar slake for 10 minutes, then remix. If a mechanical mixer is used, it must be mixed at a low RPM (300 or less) so as not to entrap air in the mortar. Do not add water or additional powder after slaking period. The proper mortar consistency is such that when applied with a trowel to the substrate, the mortar will not flow or slump. Do not use mortar after initial set in bucket during use. Remix mortar occasionally but do not retemper mortar.

Application for masonry units: Prior to placing Stone-Veneer-Set, hose down work surfaces in direct sun or hot surfaces to prevent mortar from rapid dry-out. Remoisten work area every hour - surface should remain damp, but not wet. Use a trowel to apply mortar 1/8" up to 1/4" thick. Key in additional mortar up to 1/4" on back of stone with flat side of trowel, then press stone firmly into mortar bed, using soft mallet to set in place. Do not move or tap stone after it has been set firm. Check mortar for complete coverage by periodically removing unit or tile to ensure 100% contact.

Application for tile: Spread mortar with flat side of trowel to key into substrate; then, apply additional mortar to a depth sufficient to be notched with a suitable trowel that will leave only enough mortar to give 100% contact with back of tile and a subsequent mortar bed of 3/32" to 3/16". With high lug tiles, "back buttering" may be required to ensure 100% coverage to back of tiles. During the setting of tile, it is advisable to occasionally remove a tile to be sure mortar has not skinned over and sufficient transfer is being made. It is also required that tiles be embedded to obtain good transfer of mortar to tile and for proper alignment. Do not adjust tiles in mortar after they have been set past 20 minutes.

Curing: Minimum cure is obtained in approximately 24 hours depending on ambient temperatures. When used for tile allow minimum of 24-48 hours before grouting or light traffic. When used in an area that will be continually wet, it is recommended the installation be allowed to cure a minimum of 14 days and be thoroughly dried prior to water exposure.

Cleaning: Clean off any uncured mortar with clean water only.



If an installation or materials should be changed outside the detailed instructions, please contact our technical support dept. for assistance.

◆ Bonded Materials Company ◆
4330 N. 43rd Ave. Suite B-4 Phoenix, Az.85031

Ph. 623-873-0001 Toll Free 877-726-6333 www.bondedmaterials.com



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Limitations: Stone-Veneer-Set must not be applied directly over hardwood, asphalt sheeting, vinyl covered wall board, Masonite®, cement asbestos board, metal, glass, fiberglass, plastic, luan plywood or gypsum mortar beds. Improperly cured or wet plywood, particle board or stripwood surfaces are not considered suitable substrates. Some red, black, as well as all green marbles may warp when installed with setting materials containing water, these marbles along with all resin-backed marbles must be set with Pro-Line Poxy™.

Protection: Protect from freezing for 5-7 days

Coverage: Square feet per 50 lb. bag

25 – 35 sq. feet for Masonry Veneer Units

45 - 50 sq. feet using a 1/2" x 1/2" square notched trowel

65 - 70 sq. feet using a 1/4" x 3/8" square notched trowel

90 - 100 sq. feet using a 1/4" x 1/4" square notched trowel

Storage: One year if kept dry in sealed bags.

Safety: May cause eye, skin, or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into the eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete, or grout may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. KEEP OUT OF REACH OF CHILDREN.

Warranty: Bonded Materials Company ("Bonded Materials") warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Bonded Materials sole liability under this warranty shall be limited to the replacement of the product. The statements, recommendations, and technical information provided are furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate. Bonded Materials makes no warranty for a particular purpose with respect to product sold herein, except quality of components shall be in accordance with Bonded Materials standards. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be replacement of defective products. Handling and actual use of product are beyond the control of Bonded Materials, therefore, no warranty is made, expressed or implied, as to the results obtained from use of the product or against any claims for infringement of patents resulting from the use of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Bonded Materials printed instructions. Bonded Materials makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

Bonded Materials Company is a member in good standing with the following organizations: National Tile Contractors Association (NTCA), Marble Institute of America (MIA), Ceramic Tile and Stone Association of Arizona (CTSA), Materials and Methods Standards Association (MMSA), Construction Specifications Institute (CSI) and American Institute of Architects (AIA) Accredited for Continuing Education.

Stone-Veneer-Set Technical Data (based on 70°F [21°C] and 50% relative humidity)

Test	Stone-Veneer-Set Values
*Open time @ 70°F -	12-15 Minutes
Adjustability @ 70°F -	15-20 Minutes
Bucket life @ 70°F -	8 Hours
Compressive Strength ASTM C-109	>3200 psi (225kg/cm ²)
Shear Bond ANSI A118.4 and ANSI A118.11	
Non-Vitreous Tile 28 Days	>600 psi (42 kg/cm ²)
Vitreous Tile 28 Days	>400 psi (28 kg/cm ²)
Non-Vitreous Tile (over plywood) as tested by the ANSI A118.11 standards 28 Days	>250 psi (18 kg/cm ²)

**Open times vary based on temperature, humidity, substrate, trowel size, and job-site conditions.*



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