

Parex USA

Masonry Veneer Systems

1. Product Name

MASONRY VENEER ADHESIVE

2. Manufacturer
 Parex USA, Inc.
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3. Product Description
 Basic Use: Masonry Veneer Adhesive is used to adhere manufactured stone masonry units, ceramic tile, and clay fire thin brick to a variety of substrates as part of the Parex USA Masonry Veneer System. This specialized adhesive is freeze-thaw stable and out performs job mixes due to its proprietary content.

Uses: Parex USA Masonry Veneer Adhesive is a polymer modified portland cement setting adhesive for installing manufactured stone masonry units, ceramic tile, and clay fire thin brick over vertical CI (Continuous Insulation), stucco, concrete, masonry, or cement board. It is used for both interior and exterior applications.

Advantages

- Manufacture Controlled
- Fire Tested Performance
- Proven Wall Technology
- Commercial or Residential
- Single Source Warranty

Use on All Parex USA Masonry Veneer Systems

- MVS – Ci / Continuous Insulation
- MVS – Standard / Stucco Base Coats
- MVS – CB / Cement Board
- MVS – CMU / concrete

4. Technical Data

ANSI 118.4	ANSI Requirements	Masonry Veneer Results
48 Hour Sheer	> 100 psi	> 260 psi
28 Day Sheer	> 200 psi	> 480 psi
LEED v3 NC VOC	EQ credit 4.1	Masonry Veneer Results
VOC	< 65 g/l	0 g/l

Composition:
 Binder base: Copolymer compatible with portland cement
 Water base: VOC-Compliant
 Color: Gray

Working Time: Pot life is 1–2 hours after water has been added. Open time is affected by humidity, temperature or other environmental factors.

Drying Time: Full adhesive bond strength is reached after 28 days, depending on humidity and temperature.

Packaging: 50 lbs (22.7 kg) net weight in multi-wall bags.
 Storage – Store off the ground and protect from sun and moisture.

Shelf life: Reference Parex USA Expiration Date of Products Technical Bulletin

5. Installation

Surface Preparation: All surfaces must be between 40°F (4°C) to 95°F (35°C) and structurally sound, dry, clean and free from oil, dust, grease, wax, paint, old adhesives, sealers, curing compounds and release agents.

- Surfaces must be structurally sound, stable & rigid enough to support veneer product. Maximum substrate deflection under all live, dead, and impact loads, including but not limited to concentrated loads (except where local building codes specify a more stringent requirement) and under positive and negative design wind loads shall not exceed (L=span length): - L/360, except for natural stone for which L/600 is recommended.
- Any contaminates which inhibit proper bond must be removed from substrate or veneer unit.
- All substrates should be plumb and true, surface deviation should not exceed 1/4" (6mm) in 10 ft (3m).
- For Ceramic Tile movement (expansion) joints should be provided to comply with TCA method EJ 171.
- Cementitious Substrates: All concrete substrates should be cured a minimum of 28 days.
- Walls should be leveled to ensure best adhesion. Dampen porous or dry concrete prior to installation of masonry veneer.
- Cement Backer Board: Follow cement board manufacturer's instructions.
- For additional options, contact Parex USA Technical Services Department.

Mixing:

- In a clean container, add approximately 6.6 quarts (6.2 L) of clean potable water. Then add the contents of the 50 lb. (22.7 kg) Masonry Veneer Adhesive.
- Mix thoroughly with a slow speed mixer to a smooth, thick, trowelable consistency. Allow mortar to slake for approximately 10-15 minutes, and then remix before using.
- Small amounts of clean cool potable water may be added to adjust for workability.
- Mortar consistency shall be such that when applied with the veneer product does slump down.
- During use, stir mortar mix occasionally.
- Do not temper with additional water.
- Do not add liquid latex to Masonry Veneer Adhesive.

Application:

- Prior to the veneer unit application over stucco, CMU, or cement board (NOT MVS-CI); the surface of the substrate should be dampened or lightly sprayed so that the surface will accept the masonry veneer adhesive more readily.
- Apply or back-butter the Masonry Veneer Adhesive mortar to the Manufactured Stone Masonry Veneer units with the flat side of the trowel, with enough pressure to firmly work into the surface, (typically 3/8" thick).
- For Manufactured Stone Masonry Veneer units the substrate will need to be skim coated to approximately 1/16" with the Masonry Veneer adhesive to create the wet to wet bond to the back-buttered stone / masonry units.
- For MVS-CI the Masonry Veneer Adhesive will be skimmed at 1/16" over the Parex USA EPS Base Coat & Adhesive prior to the application of the Manufactured Stone /Masonry. For Ceramic Tile the veneer adhesive will be notched and the ceramic tile back buttered.
- For Ceramic Tile a horizontal notched trowel will be applied on the selected substrate, and the ceramic tile back-buttered. Horizontal notched trowel is not used for Manufactured Stone Masonry Veneer units.
- Firmly place Manufactured Stone / Masonry or ceramic tile on to the substrate, slide back and forth, perpendicular to the ridges for ceramic tile, to insure proper coverage. Do not move or adjust after the units have been set for 10 minutes. Do not spread more mortar adhesive than can be used in 15 minutes or before the mortar skins over.
- It is advised that during the installation, occasionally remove a veneer unit to insure the mortar has not skinned over and to check the veneer unit and substrate mortar has achieved 100% coverage.
- If a veneer unit is inadvertently moved after initial set has begun, it should be removed, mortar scraped off the back of the veneer unit and substrate, and then reinstalled following the application process.

LIMITATIONS: Do not use Masonry Veneer Adhesive below 40°F (4°C) or above 95°F (35°C).

- Use caution; do not allow mortar to freeze for the first 72 hours. Cool and wet weather may delay the set times of the Masonry Veneer Adhesive.
- Do not soak tiles previous to installation.
- Masonry Veneer Adhesive must not be used to apply over asphalt sheeting, vinyl covered wall board, Masonite®, cement asbestos board, metal, glass, plastic or other unstable substrates.
- Installations that will be continually wet like swimming pools, fountains and gang showers, the completed installation should be cured a minimum of 14 days and allowed to dry before exposure to water.
- Do not use Masonry Veneer Adhesive to install dimensional stone tile like resin backed, black, green and red marbles. Some dimensional stones may warp when installed with water based setting materials.
- For use of Masonry Veneer Adhesive over additional substrates or situations not mentioned in these instructions, contact Parex USA Technical Services.

WARNING: Read complete warning information printed on product container prior to use.

- For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Safety Data Sheet (SDS). The most current SDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

Cleaning: Masonry Veneer Adhesive is water-soluble prior to drying. Clean tools and containers with water before cement mixture sets.

Coverage: Depending on the veneer or tile type, condition of the substrate and method of application, approximate coverage per bag is:

1/4" x 3/8" notched trowel: 55-65 ft² (5.1-6.0m²)

1/2" x 1/2" notched trowel: 35-45 ft² (3.2-4.2m²)

1/16" skim coat: 60-70 sq. ft²

6. Availability

Parex USA Masonry Veneer Adhesive is available at leading building material and construction dealers. Contact Parex USA or visit our web site for the name of the nearest dealer at www.parexusa.com.

7. Warranty

Contact Parex USA Technical Services or visit our web site at www.parexusa.com.

8. Maintenance

Only minimal maintenance is usually required. General maintenance can be achieved with the use of clean water.

9. Technical Services

Parex USA maintains technical field representatives available throughout the country.
Call Technical Services at 800-226-2424 for the nearest representative.

10. Filing Systems

Parex USA architectural and product information is available in catalog form, or electronically on our website at www.parexusa.com.