



VIP 5000 Series TER-POLYMER SEALANTS

MANUFACTURER

VIP DIVISION

VIP/LIGHTHOUSE PRODUCTS

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PRODUCT DESCRIPTION

Paintable elastomeric waterproof acrylic emulsion sealants.

BASIC USE

- Bedding Cant Strips, Flashing and Reglets
- Expansion Joints (up to 1/2" wide) Interior/Exterior
- Movement Cracks (non- structural)
- Patching spalled stucco and concrete
- Plumbing & Electric intakes
- Sealing/Bedding Shower Stalls/Sinks
- Sealing Window Frames, Skylights, etc.
- Shrinkage Cracks

PERFORMANCE INFORMATION

- Paintable
- Waterproof (above grade)
- Internally plasticized
- Excellent flexibility—525% Elongation
- Superior adhesion
- Excellent weatherability

TECHNICAL DATA

Color: White

Textures: Smooth and low

Recommended Spread Rate:

Coverage will vary due to nature of surface or use of product. Cartridge will seal 25 linear ft. @ 1/4" x 1/4". Buttering Grade will cover 26 sq. ft./gal. @ 62 mils wet (1/16")

Recommended Film Thickness:

5100 Buttering Grade - 62 mils wet (1/16") for seams and voids

Cure Time: 24 hours (temperature and humidity dependent)

Volume Solids:

- 5100 - 59% ± 2%
- 5101 - 58% ± 2%
- 5300 - 64% ± 2%
- 5500 - 58% ± 2%

5720 - 66% ± 2%

Recommended Primers:

Medium Chalk: VIP 1000 Waterborne Surface Conditioner

Porous Surfaces: VIP 1000 Waterborne Surface Conditioner

Light Chalk: VIP 1200 Alkali Resistant Surface Conditioner

Alkaline Surface: VIP 1200 Alkali Resistant Surface Conditioner

Wood: Alkyd Exterior Wood Primer

Ferrous Metal: Rust Resistant Primer or Rust Converter

Container Sizes:

5100/5101—Ots., 1's, 5's

5300—1's, 2's, 5's

5500—1's, 5's

5700—10.0 oz. Cartridge

Wt./Gal (Theoretical):

5100—10#

5101—10#

5300—9#

5500—12#

5720—11#

Shelf Life: 12 mos. between 50°F and 80°F

Elongation: 525% (ASTM D 412-75)

Hardness: 30 (Shore A)

Adhesion:

Glass to Aluminum 14 psi

Aluminum to Aluminum 20 psi

Concrete to Concrete >100 psi

Slump: 40°F to 77°F—None

Extension/Compression:

(Aluminum to Aluminum @ 77°F)

40 cycles @ 25%—No failure; joint movement ± 12.5%

20 cycles @ 50%—No failure; joint movement ± 25%

APPLICABLE STANDARDS

Meets performance requirements of Federal Specification TT-S-230C(2) and ASTM C920. Complies with all EPA and OSHA requirements for product. Meets all existing VOC regulations.

SURFACE PREPARATION

Masonry: Masonry and concrete surfaces should be clean and free of oil and grease. Remove loose particles, laitance and other foreign materials by wire brushing or other effective means. Flush all routed joints with water. Prime with VIP 1200 Acrylic Surface Conditioner

Ferrous Metal: Prime all ferrous metal with a high-quality rust-resistant primer or treat with rust converter.

Galvanized Metal: New galvanized metal should be treated with a proprietary product intended for this purpose. Weathered galvanized needs no primer.

Plywood/Waferboard: Surface should be clean and dry. Prime with a quality Alkyd Exterior Wood Primer as soon as possible.

Previously Coated Surfaces: All surface contamination such as foreign matter, rust, mold, mildew, mortar and efflorescence must be removed to assure sound bonding to the tightly adhering old paint. Spot prime all bare areas with the appropriate primer.

APPLICATION

Shrinkage or Hairline Cracks—Apply 5100/5101 Buttering Grade generously over the center of the crack; then, using a broad knife or a brush, "feather" the material to either side of the crack so as to go from 1/16" to zero, over a 2-inch area. This gradual reduction in thickness hides the patch, while at the same time allows sufficient thickness of material over the center of the crack to permit the 525% elongating factor to work effectively.

Movement Cracks—Do not attempt to repair cracks caused by structural deficiencies in the building. Non structural movement cracks can range from 1/32" to in excess of 1/4". Cracks and joints up to 1/16" can be repaired with VIP 5100/5101 Buttering Grade using the same technique as described under shrinkage cracks. Rout out cracks larger than 1/6" to 1/4" wide by 1/4" deep. Flush with water. Prime with VIP 1000 Waterborne Surface Conditioner or 1200 Surface Conditioner. Insert Bond Breaker Tape. Fill joint completely with VIP 5300 Knife Grade. Build a small crest to compensate for shrinkage. Allow to cure for a minimum of 24 hours and apply a cap of VIP 5100 Buttering Grade. Refer to diagrams for details and to Specification Guidelines Booklet for specific application and recommendations.

APPLICATION GUIDELINES

Product	Unit	Equipment	Coverage		Coats	Application Guide
			Wet Mil	Dry Mil		
VIP #5100/5101 Brushable Buttering Grade	1 Qt. 1 Gal. 5 Gal.	Trowel, brush, putty knife, 1/2-1" nap roller, mastic pump; extrusion pump 4:1 to 12:1	Varies with thickness		1 or 2	Sq. footage will vary due to nature of surface or use of 5100. 62 mils wet for seams and voids.
VIP #5300 Textured Knife Grade VIP #5500 Smooth Knife Grade	1 Gal. 2 Gal. 5 Gal. 1 Gal. 5 Gal.	Trowel, putty knife, bulk gun, mastic pump 4:1 to 12:1, refer to Lineal Spread Rate Chart	Varies with depth and thickness		1 or 2	Allow for shrinkage factor, 2 coats recommended for large voids and joints. Maximum 1/4" deep per application.
VIP #5700 Gun Grade	10.0 Fl. Oz. per Cartridge	Standard 1/10 gal. caulking gun. Refer to Lineal Spread Rate Chart.	25 lineal feet @ 1/4" x 1/4"		1 or 2	For cracks and voids greater than 1/4", 5300 or 5500 should be used as a first coat. Maximum 1/4" deep per application.

Diagram 1

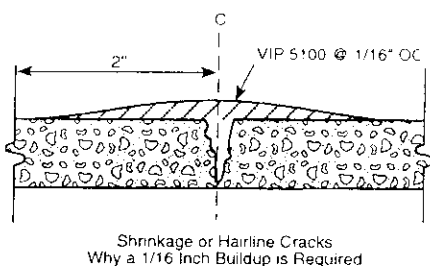


Diagram 3

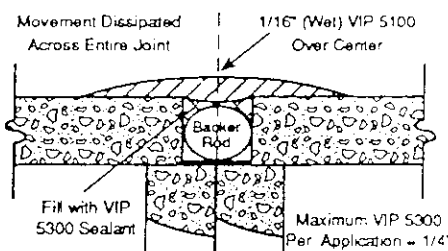
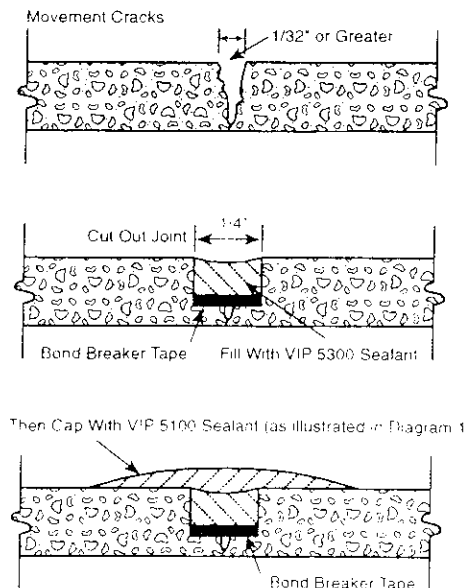


Diagram 2



when stored between 50°F (10°C) and 80°F (26.6°C). When using, do not store in direct sunlight for prolonged periods. Keep from freezing.

AVAILABILITY

VIP products are available throughout a network of major distributors in the United States. For detailed information about local representatives or distributors, call the manufacturer. For availability in foreign countries, please contact the manufacturer.

TECHNICAL SERVICES

Technical advice on suitability of material for specific application and end use requirements is available from VIP/LIGHTHOUSE PRODUCTS. Call Toll-Free 1-800-228-5537.

GUARANTEE/WARRANTY

The following warranty is made in lieu of all other warranties, expressed or implied, of fitness or of MERCHANTABILITY. All goods are of seller's standard quality. Any goods proved defective due to materials or workmanship will be replaced or the purchase price refunded, but in no event shall the manufacturer be responsible for damages in excess of the purchase price.

VIP/LIGHTHOUSE PRODUCTS reserves the right to modify or improve formulations without prior notification. Such modifications and improvements or changes in existing governmental regulations may affect the accuracy of this data.

LIMITATIONS

Do not use in any crack caused by a structural flaw. Allow fresh concrete surfaces to cure at least 30 days prior to patching. Surface pH level must not be higher than 11 prior to application, regardless of how long surface has cured. If higher than 11 pH, surface must be neutralized or VIP 1200 Acrylic Alkali Resistant Surface Conditioner used.

Do not use when the ambient or surface temperature is below 50°F or when relative humidity is above 90%. Ambient temperature must be above dew point and rising. Do not apply when there is a threat of rain. These conditions will substantially retard curing time. Do not apply to surface with excessive moisture content. We do not recommend the use of fiberglass tape, as it restricts movement.

Store in a cool, dry warehouse, out of direct sunlight. Shelf-life is 12 months