



SealIt XP

2034-C Van Buren Ave. • Indian Trail, NC 28079 • Phone: 704.334.8222

Product description

SealIt XP is a single component, moisture-cure, environmentally friendly, polyurethane sealant that cures rapidly to a durable, medium modulus, flexible, weatherproof sealant. The cured sealant adheres well to most common substrates such as masonry, concrete, glass and aluminum without priming and shows excellent adhesion to most types of plastic.

SealIt XP comes in 10.3 fl. oz. (305 ml) cartridges, 24 cartridges per carton.

Available in Limestone Color.

Basic uses

SealIt XP can be used for exterior and interior caulking the perimeters of frame openings; expansion, control and isolation joints; coping and coping to facade joints; cornice and wash joints; panels; poured-in-place; tilt-up; underside of precast planks; steps and risers; top of non-loadbearing walls; glazing, etc. It is also suitable for various manufacturing uses, such as production of travel trailers and mobile homes, extruded PVC windows and doors, and many other OEM applications.

Benefits

- Contains no TDI (toluene diisocyanate) or VOC (volatile organic solvents).
- Excellent adhesion to wide range of substrates
- Excellent weatherability and durability
- Low odor.

Application limitations

- Do not apply over damp or contaminated surfaces or in hot, humid weather conditions as the sealant will bubble or foam if applied during these conditions.
- Do not apply to absorptive surfaces such as marble, limestone, or granite without prior testing for discoloration or staining.
- Use only at temperatures of 40°F (4°C) and rising.
- Maximum joint width = 1-1/2".



Applicable standards

SealIt XP meets or exceeds the requirements of Federal Specification TT-S-00230C, Type II, Class A; ASTM C920-87 Type S, Grade NS, Class 25, use NT, G, M, A, and O; AAMA 802.3 and 805.2; CAN/CGSB 19.13-M87.

Installation

Joint design: The width of the joint should be a minimum of 4 times the anticipated movement. In joints up to 1/2" wide, the depth of the sealant should be equal to the width, but not less than 1/4". In joints wider than 1/2", the depth should be maintained at 1/2". Maximum joint width is 1-1/2" for a SealIt XP installation.

For butt joints, see DryDog's Joint Design Chart for recommended joint designs for specific building materials. Lap shear joints should have a width of at least twice the anticipated movement.

Surface preparation: Joints to receive sealant must be sound, smooth, uniform in dimensions and free from defects and foreign materials. They must also be clean, dry, free of frost and all contaminants, such as curing compounds, sealers (waterproofing), coatings, etc. To test adhesion, apply a sealant bead and allow to cure thoroughly. Then pull one end of the bead to test adhesive strength.



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Back-up material: The purpose of back-up material is to regulate the depth of the joint; to provide a surface against which the sealant is compressed when tooled, thus promoting better adhesion to the side walls; and to provide a non-adhering back surface, precluding the possibility of a three-sided joint. Where back-up material is not necessary or where a type is used that does not have release properties, a bond breaker tape should be used. Closed cell polyethylene foam back-up material is recommended. It should not be punctured, twisted or excessively stretched during installation, nor should it be compressed more than 50% of its original diameter. Open cell backer rod is compatible with all DryDog sealants as long as it remains dry.

Tooling: In vertical and horizontal joints, tooling is absolutely necessary to aid contact with the substrate, eliminate air bubbles and give a highly desirable concave appearance.

Cleaning: Immediately remove all excess sealant and smears adjacent to joints with xylol as work progresses. For equipment clean up, use xylol or its equivalent. These solvents are flammable. Keep away from sparks, flames, excessively high temperatures or other ignition sources. Refer to manufacturer's MSDS for proper safe handling precautions.

Shelf life: One year from date of shipment when stored in original, unopened container in a dry area at temperatures below 80°F (27°C).

Maintenance

If the sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is required. If the bond has been affected, remove the old sealant, clean and prepare the joint in accordance with the instructions under "Surface Preparation" and recaulk.

Performance Data*		
Properties	Results	Test Method
Uncured Properties		
Skin-over time	60 minutes	ASTM C679
Cure through time, 1/8" bead	24 hours	PSI S204
Flow, sag or slump		
Channel, 125K, 4 hr.	0	ASTM C639
Boeing jig	<0.1 inches	MIL-A-46106B
VOC content	<1%	
Specific gravity	1.57	
Application rate		
1/8" orifice, 30 psi, 75°F (24°C)	35 grams/min.	TT-S-00230C
Cured Physical Properties		
Hardness, Shore A	30	ASTM C661
Tensile strength	175 psi	ASTM D412
Ultimate elongation	600%	ASTM D412
Service temperature, cured bead	-40 to 180° F (-40 to 82°C)	PSI S406
Adhesion-in-peel, glass, concrete, PVC, steel & aluminum	40 pli	ASTM C794
Cured Construction Properties		
Weight loss	5% max.	ASTM C792
Cracking & chalking after heat aging	Pass	
Modulus, 100%	70 psi	ASTM D412
Durability (bond & cohesion) movement on glass,aluminum, concrete	±25%	ASTM C719
Staining (see "Application Limitations")	None	ASTM C510

* Typical properties are for information only, not for purposes of specification.

For more application information visit
www.drydogbarriers.com
 or email us
info@drydogbarriers.com