

DESCRIPTION

Seallt 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.

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

USES

Seallt 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.

Seallt XP meets or exceeds the requirements of Federal Specification TT-S-00230C, Type II, Class A; ASTM C 920-87 Type S, Grade NS, Class 25, use NT, G, M, A, and O; AAMA 802.3 and 805.2; CAN/CGSB 19.13-M87.

BENEFITS

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

APPLICATIONS

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 Seallt XP installation.

For butt joints - see GMX, Inc.'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.

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 GMX, Inc. 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.

- 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 test for discoloration or staining
- Use only at temperatures of 40°F (4°C) and rising
- Maximum joint width = 1-1/2"

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.

TECHNICAL SERVICES | PRODUCT SPECIFICATIONS

Type: Uncured Properties

Skin-over time	60 minutes	ASTM C 679
Cure through time, 1/8" bead	24 hours	PSI S204
Flow, sag or slump Channel, 125K, 4 hr. Boeing jig	0<0.1 inches	
VOC Content	<1%	ASTM C 639
Specific gravity	1.57	MIL-A-46106B
Application rate 1/8" orifice, 30 psi, 75°F (24° C)	35 grams/min.	

TECHNICAL SERVICES | PRODUCT SPECIFICATIONS

Type: Cured Properties

Hardness, Shore A	30	ASTM C 661
Tensile Strength	175 psi	ASTM D 412
Ultimate elongation	600%	ASTM D 412
Service temperature, cured bead	-40° F to 180° F (-40° C to 82° C)	PSI S 406
Adhesion in-peel, glass, concrete, PVC, steel & aluminum	40 pli	ASTM C 794

TECHNICAL SERVICES | PRODUCT SPECIFICATIONS

Type: Cured Construction Properties

Weight Loss	5% max.	ASTM C 792
Cracking & chalking after heat aging	Pass	
Modulus, 100%	70 psi	ASTM D 412
Durability (bond & cohesion) movement on glass, aluminum, concrete	+ 25%	ASTM C 719
Staining (see "Application Limitations")	None	ASTM C 510

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

May help to contribute to LEED® credits:

EA Credit 1:	Optimize Energy Performance
EQ Credit 3.1:	Construction IAQ Management Plan: During Construction
EQ Credit 4.2:	Low Emitting Materials: Paints and Coatings
MR Credit 5.1:	Regional Materials: 10% Extracted, Processed and Manufactured Regionally
MR Credit 5.2:	Regional Materials: 20% Extracted, Processed and Manufactured Regionally



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