

POLYURETHANE

Seam Sealant

PRODUCT CODE: R53827

DESCRIPTION

Valto's Seam Sealant sealant is an equal-mix, two-component bright white urethane sealant system used to bond and seal a variety of plastics and prepared metals.

SHELF LIFE/STORAGE

Shelf life is eighteen (18) months from date of shipment when stored in a clean, dry environment at 50-80°F (10-27°C) in original, unopened container. After opening, protect sealant from excessive exposure to moisture by installing desiccant cartridges and/or using dry nitrogen as an inert cover. DO NOT FREEZE

COVERAGE AREA

**FOR CORNERS, WINDOWS, DOORS AND ANY OTHER NON-INLINE SEAMS:**

- Linear Feet: 22 feet per 400 mil cartridge
- Square Feet: 80 SQFT of the panel per a 400 mil cartridge (this is assuming all panels are 4 feet wide)

**FOR INLINE/CENTERLINE INLINE/CENTERLINE SEAMS:**

- Linear Feet: 55 feet per 400 mil cartridge
- Square Feet: 160 SQFT of the panel per a 400 mil cartridge (this is assuming all panels are 4 feet wide)

CAUTIONARY INFORMATION

Before using this or any VALTO product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

SURFACE PREPARATION

Surfaces should be free of grease, dirt and other contaminants. For plastics, clean the surface with a dry rag or a rag dampened with solvent. For metals, grit blast and solvent wash the surface, then prime for optimum bond performance.

MIXING

Mix resin with the curative at a 1:1 ratio, by volume. Handheld cartridges will automatically dispense the correct volumetric ratio of each component.

APPLYING

Apply sealant using handheld cartridges. Assemble parts within working time of the sealant.

CURING

Sealant will cure to full strength in 24 hours at room temperature, 77°F (25°C).

CLEANUP

Clean equipment and tools prior to the sealant cure with organic solvents such as isopropyl alcohol.

INSTALLATION

Refer to the Cleanroom & Hygienic Wall System Installation Guide (form #7616) Part B for additional information.

SERVICEABLE TEMPS

Serviceable in temperatures from -40°F (-40°C) to 75°F (24°C).

FEATURES AND BENEFITS

- NON-FLAMMABLE | Does not require explosion-proof equipment.
- ENVIRONMENTALLY FRIENDLY | VOC compliant; does not contain ozone depleting chemicals.
- ENVIRONMENTALLY RESISTANT | Resists sunlight, weathering, humidity and salt spray.
- CHEMICALLY RESISTANT | Solvent resistant when cured. Painting and most cleaning processes do not affect bond strength.
- NON-SAG | Remains in position when applied on vertical or overhead surfaces, allowing for greater process flexibility.
- FAST CURE | Paintable within 10 minutes, reducing set up time and overall process time. Handling strength for bonded assemblies develops within 60 minutes.

TYPICAL PROPERTIES*		
	A RESIN PIN	C CURRATIVE
Appearance	Translucent Paste	White Paste
Visocity. cP @ 77°F (25°C)	45,000 - 160,000	130,000 - 230,000
Density lb/gal (kg/m³)	9.64 - 10.04 (1155 - 1203)	9.9 - 10.2 (1186 - 1222)
Flash Point (Closed Cup, °F (°C)	>200 (>93)	>200 (>93)
Calculated VOC	0 g/L	0 g/L

\* Data is typical and not to be used for specification purposes

TYPICAL PROPERTIES OF RESIN MIXED WITH CURATIVE

PROPERTY	TYPICAL VALUE
MIX RATION BY VOLUME   RESIN TO CURATIVE	1:1
SOLIDS CONTENT BY WEIGHT, %	100
WORKING TIME   min 77°F (25°C)	3-5
PURGE TIME   min 77°F (25°C)	2-3
TIME TO HANDLING STRENGTH   min 77°F (25°C)	60

\* Data is typical and not to be used for specification purposes. Given by 1/2" (12.5 mm) diameter bead.

SEAM SEALANT WORKABILITY TIME

		Temperature (°F)			
		70	80	90	100
Time (Minutes)	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				

Workable
Suspect
Not Workable

Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Service at 1.800.435.0080.

Information provided herein is based upon tests believed to be reliable. In as much as VALTO has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, VALTO does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

At Valto, we partner with our customers, and through innovation, deliver advanced materials that enhance everyday environments. We succeed through a culture of collaboration, continuous improvement, and excellence. With integrity at our core, we challenge the status quo and pursue innovative approaches that benefit our customers and associates.

Since 1954, Valto Engineered Materials has provided innovative products and services and is a leading provider of FRP composite panels. Our lightweight composite products deliver unsurpassed strength and durability; and we continue to pioneer next level performance in building materials, recreational vehicles, and transportation.