CRANE Composites

technical data
7643

POLYURETHANE seam sealant

PRODUCT CODE: R53827

SOLVENT-FREE FRP ADHESIVE

DESCRIPTION
Crane Composites' 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 Crane Composites 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/m^3)	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

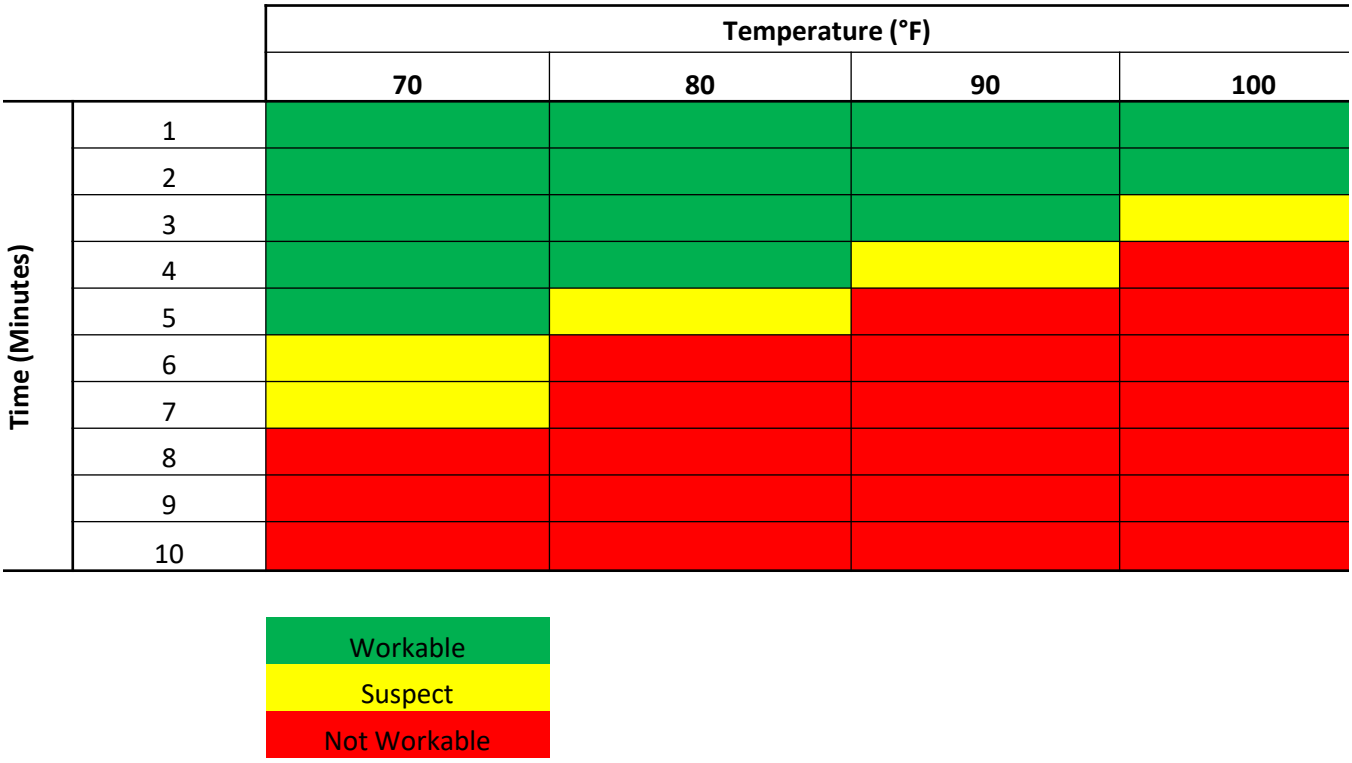
* Data is typical and not to be used for specification purposes

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



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 Crane Composites has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, Crane Composites 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.

A global leading provider of resilient wall and ceiling coverings. Kemlite® was established in 1954 and the company changed names to Crane Composites in 2007. Crane Composites is headquartered in Channahon, IL and all our products are manufactured in the United States. We work with hundreds of distributors, ensuring our products are easily accessible and readily available to our customers.