



CRYO-BOND 877
CRYOGENIC ADHESIVE

Product Description

CRYO-BOND 877 is a 100 percent solids, three-component cryogenic adhesive.

CRYO-BOND 877 is formulated in a convenient 40 Lb. kit one to-one mixing ratio. It may be used as part of a system with other Valpac elastomeric coatings.

- Very low permeability
- Good chemical resistance
- High build
- Convenient mixing ratio

Features/Typical Properties

Solids Volume (Calculated)	100%
Coverage Range	1/16 inch - 68 sq. ft. 1/8 inch 34 sq. ft. 1/4 inch 17 sq. ft.
Mix Ratio	Pre-measured kit
Weight (ASTM D-1475)	15.5 pounds +/- 0.5 pounds/ Gallon (mix) Total Mix = 2.6 gallons or
Shelf Life 30°F (-10°C) 85°F (29°C)	1 year
Flash Point Tag Closed Cup	Greater than 250° F
Service Temperature Limits	-320° F to 250° F (-196° C to 121° C)
Color	Black Only

Recommended Uses

CRYO-BOND 877 is designed for use over polyurethane foam and other substrates where a coating with low permeability is required, such as cryogenic systems.

CRYO-BOND 877 is compatible with most Valpac finish coat elastomers. For other compatible coatings, contact Valpac's technical staff.

Specification Data

Ordering Information

Packaging:	40 Lb. kits
	kits: 40 Lbs (Net)
Shipping Weight:	45 Lbs. (Gross)
Freight Classification:	Coating Solution, Flammable Liquid UN1139, Freight_Class 55

Method: Cryo-Bond 877 should only be applied by notched trowel to thoroughly cleaned dry surfaces. Suggested thickness is between 1/16 to 1/8 of an inch.

Batch Mixing: Thoroughly power agitate A & B materials until completely mixed. Add Part C (Aggregate) while continuing to mix for approximately 3 to 4 minutes until the entire mixture is uniform.

Pot Life:

MATERIAL TEMPERATURE	TIME
70 °F to 80 °F (21°C to 27°C)	1 to 2 hours
90°F to 100 °F (32°C to 38°C)	1/2 hour

Safety Information:

- *Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information.
- *Do not apply material in enclosed areas without adequate air exchange and ventilation.
- *All application personnel must use fresh air respirators or fresh air hoods.
- *Wear protective clothing, gloves and eye protection.
- *Breathing fumes or contact with the skin may cause severe allergic reactions.
- *This product is intended for industrial use by properly trained professional applicators only.

Clean-Up: Must be cleaned before it cures. Use a mineral spirits (flammable) or chlorinated solvent non-flammable).

Application Guidelines:

1. Do not apply over wet or contaminated substrates or when inclement weather is imminent.

Cure Times:

The curing rate will vary depending on film thickness, ambient air and substrate temperatures and humidity.

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