

Technical Data Sheet

Electronic & Engineering Materials

CONAP[®] PR-1167

Polyurethane Primer

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CONAP® PR-1167

Product Description

CONAP® PR-1167 is a solvent-borne, isocyanate prepolymer-based primer.

Areas of Application

CONAP® PR-1167 is used in bonding liquid polyurethane molding and potting compounds to substrates such as cured polyurethanes, neoprene rubber and cadmium-plated metals.

Features and Benefits

- QPL Listed for MIL-M-24041C
Category A, Type I
Category B, Type I
- Excellent adhesion to neoprene rubber
- Curable at elevated or ambient temperature

Application Methods

- Spray Coating
- Dip Coating
- Brush Applied

Transportation / Storage

Store at or below 25°C / 77°F in a dry controlled environment out of direct sunlight. This material should be suitable for use stored under these conditions in the original sealed containers for twelve (12) months from the date of shipment.

Failure to store CONAP® PR-1167 as recommended above may lead to deterioration in product performance.

This product is sensitive to moisture and atmospheric humidity. Containers, once opened, should be used immediately or blanketed with dry air or nitrogen (CONAP® Dri-Purge) before resealing.

Health / Safety

CAUTION: Material is flammable. Do NOT use in the presence of open flames or sparks.

Refer to the Safety Data Sheet for additional information.

Typical Properties of Material as Supplied

Property	Conditions	Value	Units
Color		light amber	
Viscosity	25°C / 77°F	75	cP
Solids Content	135°C for 45 min	58	%
Specific Gravity	25°C / 77°F	1.02	
Flash Point	ASTM D93	27 81	°C °F

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Regulatory Information

Property	Test Method	Value	Units
Volatile Organic Content	ASTM D3960	3.5 ^[1]	pounds / gallon
RoHS Compliance	CONAP® PR-1167 Urethane Primer complies with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 (RoHS 2.0) as amended 31 March 2015.		

^[1] VOC test methods and limits vary widely by regulatory jurisdiction and product application. The value above was obtained by curing a thin film under specific laboratory conditions (0.3 grams - 1 hour - 110°C). Contact your ELANTAS PDG representative regarding alternate methods.

Application / Curing Schedule

Performance of the CONAP® PR-1167 cured film is dependent on process controls used in application of the coating. Cleanliness of the substrate is a major factor in promoting adhesion and preventing under-film corrosion. Assemblies must be clean, oil-free and dry.

PR-1167 can be applied by spraying, dipping or brushing. If additional viscosity reduction is desired, dilutions of the PR-1167 can be done with CONAP® S-13 Solvent for most applications.

A smooth, uniform coat of PR-1167 should be applied and allowed to air dry for 1 – 2 hours or until tack-free.

The cure schedules above are based on time after the unit reaches the specified temperature and are recommendations only. The user is responsible for determining the optimum cure conditions for his application.

The above properties are typical values and are not intended for specification use.

ELANTAS PDG, Inc. warrants the chemical composition of its products within stated tolerances, but does not guarantee that a product will be appropriate for any particular application. Any recommendation, performance of tests or suggestion is offered merely as a guide and is not a substitute for a thorough evaluation by the user. No representative of ELANTAS PDG, Inc. has the authority to offer a warranty that a product will perform satisfactorily in manufacturing a product and no such representation should be relied upon.

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