

Technical Data Sheet

Secondary Insulation

EpoxyLite[®] E 8096

Two-Component Solvent-Borne Epoxy Coating

EpoxyLite® E 8096

Product Description

EpoxyLite® E 8096 is a two-component, solvent-borne epoxy system.

Areas of Application

General-purpose, clear protective coating for non-porous surfaces

Features and Benefits

- Cures to a tough, moisture and chemical-resistant coating
- Components are FDA listed for use in food contact formulations
- Formulated for applications at or near room temperature
- Fast-drying, low viscosity
- Convenient 1 : 1 volume mix ratio
- Provided in pre-measured kits

Application Methods

- Brush on
- Spray

Transportation / Storage

Store 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 the product as recommended above may lead to deterioration in product performance.

Keep containers tightly sealed to minimize evaporation

Mix individual components thoroughly before use.

Health / Safety

Refer to the Material Safety Data Sheet.

See ELANTAS PDG Technical Bulletin *TI-100 - Handling Precautions for Epoxy Resins* for additional information.

Typical Properties of Material as Supplied

Property	Conditions	Value		Units
		EpoxyLite® E 8096 Resin	EpoxyLite® C 8096 Hardener	
Appearance		Clear amber liquid	Clear liquid	
Non-Volatiles		51 - 56	20 - 24	%
Weight per Gallon	25°C / 77°F	8.1 - 8.4	7.3 - 7.5	pounds
Flash Point	ASTM D93	< -17 < 1	-5 23	°C °F
Mix Ratio	Parts by weight Parts by volume	100 100	89 100	
Volatile Organic Content	ASTM D3960	4.2 ^[1]		pounds / gallon

^[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 (0.5 grams - 1 hour - 110°C). Contact your ELANTAS PDG representative regarding alternate methods.

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Application and Curing Schedule

Mix Resin and Hardener in supplied ratio. Allow an induction period of 30 - 60 minutes after mixing before application.

Approximate pot life is eight hours, longer if refrigerated at 5°C / 40°F.

Surface to be coated should be clean and dry.

Apply by brush or spray. Do not apply below 20°C / 68°F.

Allow film to cure for 16 - 24 hours at room temperature. Cure can be accelerated with mild heat.

For maximum chemical resistance allow to dry to a tack-free film then post cure for 3 hours at 80°C / 175°F or 15 minutes at 121°C / 250°F.

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.