

PTH Polyurethane Thinners

PTH is a high purity solvent blend designed for use with Electrolube's polyurethane based conformal coating, PUC. The primary use of PTH is to dilute the coating for use in dip and spray coating applications.

Approvals	RoHS-2 Compliant (2011/65/EU):	Yes
Liquid Properties	Appearance:	Clear, colourless liquid
	Density @ 20°C (g/ml):	0.79
	Flash Point:	39°C
	VOC Content:	100%

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
<u>Polyurethane Thinners</u>	5 Litres Bulk	PTH05L	36 Months

Directions for Use

Spray Coating

The optimum viscosity to give coating quality and thickness depends on the spray equipment and conditions, as well as the conformal coating chosen. Suitable spray viscosity is typically 50-80mPa s. In addition, extra solvent may need to be added to avoid immediate drying during application, commonly known as 'cobwebbing'. The thinned solution should be stirred thoroughly and allowed to stand. All air bubbles must be allowed time to disperse before attempting to spray. Thinners should be added gradually until the desired spray pattern and coating weight is achieved.

Dip Coating

PTH may be used to maintain the viscosity of PUC conformal coating in open tanks used in dip coating processes. Over time, the solvent within the coatings evaporates. This increases the viscosity and produces a thicker coating. This solvent loss must be replaced to maintain the correct viscosity and provide an economical coating thickness. The amount of PTH to be added depends on the total volume of the tank, ambient temperature and rate of use. PTH should be added slowly, allowing the viscosity of the coating to alter prior to adding additional thinners. PTH is a flammable solvent blend and should be used in a well-ventilated area. All sources of ignition must be avoided. Please refer to the separate Health & Safety Data Sheet for further details.

Equipment Cleaning

PTH thinners may also be used to clean metal equipment found in the coating process including but not limited to, spray guns, dip coating machines.

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