



Technical Data Sheet

PTH Polyurethane Thinners

Product Description

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 Compliant (2002/95/EC):	Yes
Liquid Properties:	Appearance	Clear, Colourless liquid
	Flash Point:	39°C
	Specific Gravity (Density) @ 20°C	0.79 g/ml
	VOC Content:	100%

Directions For Use

Spray Coating

When solvent based coatings are sprayed, high pressure at the nozzle forces the solvent within the coating to evaporate quickly. Therefore, to avoid cob-webbing (i.e. the coating drying immediately as it leaves the spray gun), extra solvent must be added.

PTH should be used at a ratio of approximately 2:1 (Coating:Thinners) depending upon the application.

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.

In most systems, it is sufficient to measure the viscosity of the coating once per week. PTH may then be added to reduce the viscosity to the correct level. The amount 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 to include spray guns, dip coating machinery to name but a few.

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

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