



# Technical Data Sheet

## PCS Peelable Coating Mask Synthetic

### Product Description

PCS is a peelable coating mask which has been designed as an improved version of Electrolube's PCM with an extended shelf life. It is a flexible synthetic acrylic latex with good solvent resistance making it suitable for masking components, connectors and other items during a conformal coating process. PCS ensures that sensitive items and areas requiring further processing are not coated. It is particularly suitable for protecting areas from ingress of conformal coating, e.g. pin connectors, adjustable pots, IC sockets etc. The high film strength of PCS means that it can be peeled by hand without breaking or leaving residues. PCS has also proven to be an effective solder mask in wave soldering applications.

### Features

- Thermal Cure
- Completely hand-peelable, leaves no residue.
- Does not dissolve in solvents, does not contaminate conformal coating.
- Ammonia free
- Suitable for use with dip, spray or brush applied conformal coatings.
- Can also be used as a solder mask.

### Typical Properties

<b>Approvals:</b>	<b>RoHS Compliant (2002/95/EC):</b>	<b>Yes</b>
<b>Liquid Properties:</b>	Density (g/ml)	1.0
	pH:	8.5-9.5
	Solids Content:	45 +/- 3%
	Viscosity Brookfield (mPa s @ 23°C):	150000-250000
	Shelf Life	12 months
	Elongation at Break:	350%
	Suggested Thickness	1-2mm
	Drying Time (1mm thickness):	30 mins @ 65°C or 20 mins @ 80°C

### Directions For Use

Masking should take place between the cleaning and coating process. PCS should be applied to the area being masked to a thickness of at least 1mm to enable easy peeling after coating. Dry at 65°C for at least 30 minutes. This can be accelerated by heating @ 80°C.

Thicker films may require longer drying times. As PCS dries it changes in colour from pink to red and must be fully dry before being coated. After spray, dip or brush application with conformal coating the coating should be air-dried in accordance with manufacturer's recommendations before PCS is removed.

When the coating is dry, peel off PCS by hand to leave the protected area or component clean and free from coating. The conformal coating may then be heat cured if applicable.

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