

## PCM-HV High Viscosity Peelable Coating Mask

PCM-HV is a high viscosity, solvent resistant latex for masking components, connectors and other items during the conformal coating process. It is also suitable as a spot mask for wave soldering applications. The high film strength of PCM means that it can be peeled by hand without breaking or leaving residues.

- High viscosity; ideal for more accurate application for smaller and more complex geometries
- Allows selective coating of circuit boards; masks components and connectors during coating application
- Prevents coating ingress into connectors and components due to the capillary effect
- Suitable for use with dip, spray or brush applied conformal coatings

<b>Approvals</b>	<b>RoHS-2 Compliant (2011/65/EU):</b>	<b>Yes</b>
<b>Liquid Properties</b>	Density @ 20°C (g/ml):	1.20
	Solids Content:	70-74%
	Viscosity Brookfield LVT (mPa s):	40,000 to 60,000
	Ammonia Content:	0.29% Max
	pH:	10 - 11
	Drying Time (2mm thickness):	2 hours @ 25°C or, 30 mins @ 60°C
<b>Cured Properties</b>	Tensile Strength:	16.57 MN/m <sup>2</sup>
	Elongation at Break:	900%
	Modulus @ 300%:	0.88 MN/m <sup>2</sup>
	Modulus @ 700%:	6.18 MN/m <sup>2</sup>

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
<u>High Viscosity Coating Mask</u>	250ml Bottle 310ml Cartridge	PCM250HV PCM310HV	6 Months 6 Months

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

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### **Directions for Use**

Masking should take place between the cleaning and coating process. PCM-HV should be applied to the area being masked to a thickness of at least 1mm to enable easy peeling after coating. Dry at room temperature for at least 2 hours. This can be accelerated by heating to 60°C for 30 minutes but some discolouration of copper may occur.

Thicker films may require longer drying times. As PCM-HV dries it darkens in colour. PCM-HV 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 PCM is removed.

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

Note: This product contains Ammonia. It should be applied and allowed to dry in a well-ventilated area. Store below 30°C. Please refer to MSDS for further information.

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