

MR8008 Insulating Varnish

MR8008 is a urethane alkyd type air-drying varnish, especially formulated with a UV trace to allow instant inspection. It is primarily designed for PCB coating but it may also be used for wound component dipping and as a general electrical varnish for humidity protection. The usual application method is by dipping but the varnish may also be applied by spraying or brushing. The varnish is amber in colour and has a distinct petroleum odour.

Typical Properties

Density (g/ml @ 20°C)	0.90
Solids Content	50%
Colour	Clear Amber
Thermal Conductivity	~ 0.25W/m.K
Tack Free Time	50 minutes @ 25°C or 10 minutes @ 40°C
Initial Drying Time	5 hours @ 25°C
Complete Cure	48 hours @ 25°C

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
Insulating Varnish	250ml Bulk	MR8008B250ML	12 Months

Directions for Use

The material may be applied by spray, dip or brush.

If applied by dipping, the coating thickness can be adjusted to a certain extent by altering the speed of withdrawal - slower withdrawal speeds give a thinner coating. Use of dipping machines usually gives a superior coating (compared with hand dipping) because it is possible to utilise slower and steadier withdrawal speeds. Two or more thin coats will usually give better coverage than attempting one thick coat. The first coat must be fully cured before the second coat is applied.

PCBs or other components must be free of grease, dirt or flux before coating. Drying times will vary with coating thickness. Drying times may be accelerated by use of elevated temperatures - avoid instant use of temperatures above 80°C as this may cause blistering due to too rapid removal of the solvent carrier.

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