

Technical Data Sheet

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EPIKOTE™ Resin 1001-X-75

Product Description

EPIKOTE Resin 1001, a solid epoxy resin produced from bisphenol A and epichlorohydrin. EPIKOTE Resin 1001 is available as a 75% solids solution in xylene.

Application Areas/Suggested Uses

Solvent-borne 2-pack coatings (cured with polyamine or polyamide curing agents at room temperature or forced dried) for the protection of metal and concrete. As a modifier in stoving enamels based on acrylic resins or alkyd/melamine resin systems.

Benefits

- Versality of end-use applications
- Imparts good corrosion protection
- Imparts good water resistance

Sales Specification

Property	Unit	Value	Test Method/Standard
Common to all solutions			
Epoxy group content	mmol/kg	2000 – 2220*	SMS 2026
Non volatile content	% m/m	74.0 – 76.0	SMS 1524
Viscosity of solution at 25°C	Pa.s	8.0 - 13.0	ASTM D445
Colour	Pt-Co	200 max	ASTM D1209

* values for 100% resin

Typical Properties

Property	Unit	Value	Test Method/Standard
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Epoxy Molar Mass	g/eq	450 - 500*	SMS 2026
Solvent		Xylene	
Flash point of solvent (xylene)	°C	24	IP 170

* number of grams of resin containing 1 equivalent of epoxide (Weight per equivalent, WPE, is an alternative term).

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information. EPIKOTE Resin 1001-x-75 should be stored at room temperature in conditions such that moisture is excluded, in the original containers kept tightly closed. Under these conditions the shelf life should be a minimum of three years from date of certification.

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