

Technical Data Sheet

EPIKOTE™ Resin 874-X-90

Product Description

EPIKOTE Resin 874-X-90 is a 90 %(m/m) solution in xylene of EPIKOTE Resin 874, an epoxy resin derived from bisphenol A and epichlorohydrin but modified to improve flexibility and to reduce its solution viscosity.

Application Areas/Suggested Uses

EPIKOTE 874-X-90 has been developed for the formulation of high-solids coatings i.e. solvent-borne coatings with solids content in the region of 85-90% (by weight). Typical end-uses include the protection of steel and concrete. Both primers and top coats may be formulated.

Benefits

- Highly flexible
- High solids coating application
- Imparts good corrosion protection
- Imparts good water resistance

Sales Specifications

Property	Value	Unit	Test Method
Epoxy Group Content of 100% Resin	3700 - 3900	mmol/kg	SMS 2026
Non Volatile Content	89 - 91	% m/m	SMS 1524
Viscosity at 25°C	2000 - 4000	mPas*	ASTMD445

* 1 mPa.s = 1 cPoise

** as supplied

Typical Properties

Property	Value	Unit	Test Method
Density at 25°C	1.10	kg/L	ASTMD4052
Epoxy Molar Mass of 100% Resin	256 - 271	g/eq	SMS 2026
Flash Point of Xylene (Abel)	24	°C	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 874-X-90 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.

EPIKOTE Resin 874-X-90
<https://hexioninternet-hexioninternet-slave.azurewebsites.net/en-US/product/epikote-resin-874-x-90>

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