

Technical Data Sheet

EPIKOTE™ Resin 240

Product Description

EPIKOTE Resin 240 is a low viscosity epoxy resin based on a blend of a bisphenol A resin (produced from bisphenol A and epichlorohydrin) and a bisphenol F resin (produced from bisphenol F and epichlorohydrin), and containing an added proportion of a mono-epoxidised alcohol as a reactive diluent.

The resin has a low volatility and lack of odour, factors which are responsible for its agreeable handling characteristics. As judged by laboratory tests EPIKOTE 240 does not crystallise on storage.

Application Areas/Suggested Uses

Compositions for the building and civil engineering industries, e.g. flooring compounds, adhesives, mortars and grouts. Solvent-free and high-solids coatings. Laminating binders

Benefits

- Low viscosity
- Low volatility
- No tendency to crystallisation
- Excellent pigment/filler and substrate wetting
- Imparts good mechanical performance

Sales Specifications

Property	Value	Unit	Test Method
Color	200	Pt-Co	ASTM D1209
Epoxy Group Content	5100 - 5400	mmol/kg	SMS 2026
Viscosity at 25°C	0.7 - 1.1	Pa.s	ASTM D445

Typical Properties

EPIKOTE Resin 240
<http://www.hexion.com/en-US/product/epikote-resin-240>

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Property	Value	Unit	Test Method
Density at 25°C	1.12	kg/L	ASTM D4052
Epoxy Equivalent	185 - 196	g/equivalent*	SMS 2026
Viscosity 10°C	7.7	Pa.s	ASTM D445
Viscosity 20°C	1.37	Pa.s	ASTM D445
Viscosity 30°C	0.5	Pa.s	ASTM D445
Viscosity 40°C	0.24	Pa.s	ASTM D445
Viscosity 50°C	0.14	Pa.s	ASTM D445

*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 240 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.