



D.E.R.™ 915 Epoxy Resin

Description DER™ 915 Epoxy Resin is a modified bisphenol A based "1"-type solid epoxy resin dispersed in water.

Benefits D.E.R.™ 915 is designed for use in water-thinned, two-pack systems. These systems, used mainly for coatings, are an alternative to solvent-borne polyamide-cured coatings based on low molecular weight epoxy resins when high solvent content is undesirable. D.E.R.™ 915 is fully reactive and free of any solvents and/or reactive diluent. The protected dispersion technology allows very low average particle size. The low particle size allows good storage stability and excellent filmformation.

Aqueous epoxy binder systems are used in paints for coating steel in confined spaces, marine paints, protective coatings that can be applied to damp surfaces such as concrete or other non-metallic substrates, water-based mortars, patching compounds, cementitious floorings and for waterproofing structures to improve chemical resistance and upgrade overall performance.

- Applications**
- Building & Civil Engineering
 - Industrial Coatings: Marine and Protective

Dow Epoxy	Nominal Value	Unit	Test Method
EEW	475 to 500	g/eq	ASTM D1652
Viscosity, absolute (25°C)	3000 to 9000	mPa·s	ASTM D2196
Solids Content	46 to 48	%	ASTM D2369

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

Safety Considerations

The Dow Chemical Company provides its customers with a product specific Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) to cover potential health effects, safe handling, storage, use and disposal information. Dow strongly encourages its customers to review the MSDS or SDS on its products and other materials prior to their use.

For further handling information, consult the Dow brochure entitled, DOW Epoxy Curing Agents Product Stewardship Manual, Safe Handling and Storage, Form No. 296-01331 and the Dow technical bulletin, Product Coding, Shelf-life and Storage Stability, Form No. 296-01657.

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- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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