



MERGINAMID L 390

PRODUCT INFORMATION

Product Description

Merginamid L 390 is a reactive polyaminoamide that is prepared by the condensation of multifunctional araliphatic carbonic acids with polyamines. Merginamid L 390 is liquid and has a good compatibility with epoxy resins. Due to its ability to cross-link with epoxy groups Merginamid L 390 has proved itself in many cases as versatile hardener.

Typical Parameters

Viscosity at 25 °C [mPa*s]	100 - 400	H-active-equivalent [g/Eg]	Ca. 95
Amine value [mg KOH/g]	370 - 400	Use level [g/100g]	50 ¹⁾
Colour [Gardner]	Max. 10	Gel Time 250g at 23 °C	180 Min.
Solids content [%]	100	Biobased carbon content ²⁾ [%]	75

¹⁾ Liquid epoxy resins, epoxy equivalent weight approx. 190 g/Eq

²⁾ Measure of the amount of biomass-derived carbon in a product compared to its total carbon content

Application and Properties

Merginamid L 390 is miscible with other Merginamid L types and compatible with the most polyamines, phenolic and alkyd resins. It is soluble in alcohols, glycolethers, ketones, aromatic hydrocarbons, halogenated hydrocarbons as well as in mixtures of these solvents.

Merginamid L 390 is used above all in combination with liquid epoxy resins in systems without or with only low solvent contents like other lower viscous Merginamid L types (e. g. L 450, L 500).

Merginamid L 390 can be used in solvent free paints, sealings and coatings, industrial floor coatings, artificial resin cements, fillers, casting resin systems, moulding compounds, model making and reactive adhesives.

With Merginamid L 390 hardened epoxy resin systems have the following advantages:

- excellent adhesion to metals, concrete, glass, paper, plastics
- high flexibility and impact strength
- low cure heating and shrinkage
- remarkable dimensional stability
- very high thermal stress reversals
- good flexural, compressive and tensile strength
- high resistance to high speed impact, mechanical and thermal influences
- good electric properties e.g. electrical-insulation values and low dissipation factors
- excellent water and chemical resistance.

Disclaimer

This information is believed to be correct. However, this should not be accepted as guarantee and no statement should be construed as a recommendation for any use which would violate any patent rights.