



## Merginamid A 160

### PRODUCT INFORMATION

#### Product Description

Merginamid A 160 is a solvent-free modified polyaminoamide-adduct that is able to emulsify unmodified and modified liquid epoxy resins as well as dispersions of solid epoxy resins in water. After evaporation of the water homogenous films with unobjectionable coating properties are obtained.

#### Typical Parameters

<b>Viscosity</b> at 25°C [mPa*s]	30 000 - 50 000	<b>Flash point</b> [°C]	Min. 112	
<b>Amine value</b> [mg KOH/g]	135 - 155	<b>H-active-equivalent</b> [g/Eg]	Ca. 210	
<b>Colour</b> [Gardner]	Max. 12	<b>Use level</b> [g/100g]	110 <sup>1)</sup>	23 <sup>2)</sup>
<b>Solids content</b> [%]	49 - 51	<b>Gel time</b> 250g at 23°C	Ca. 2.5 h <sup>1)</sup>	Min. 6 h <sup>2)</sup>
<b>Density</b> at 20°C [g/cm <sup>3</sup> ]	1	<b>Solvent</b>	Water	
		<b>Biobased carbon content</b> <sup>3)</sup> [%]	34	

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

<sup>2)</sup> Dispersion of a solid epoxy resin (56 %), epoxy equivalent weight approx. 890 g/Eq

<sup>3)</sup> Measure of the amount of biomass-derived carbon in a product compared to its total carbon content

#### Application and Properties

Merginamid A 160 is an emulsifying epoxy hardener especially suited for the formulation of aqueous coatings for corrosion protection on mineral and metallic substrates.

Epoxy coatings based on Merginamid A 160 exhibit outstanding properties which are:

- excellent adhesion on mineral and metallic substrates
- unobjectionable and tack-free hardening even on damp surfaces
- high water resistance
- good chemical resistance, especially against alkali
- good gloss retention till the end of the potlife
- low smell
- not inflammable and ecologically beneficial due to the absence of solvents

#### 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.