



## Merginamid A 210/5

### PRODUCT INFORMATION

#### Product Description

Merginamid A 210/5 is a solvent-free, modified polyamine-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 homogeneous coatings with unobjectionable film properties are obtained.

#### Typical Parameters

<b>Viscosity</b> at 25°C [mPa*s]	18 000 - 28 000	<b>Flash point</b> [°C]	Min. 100	
<b>Amine value</b> [mg KOH/g]	170 - 200	<b>H-active-equivalent</b> [g/Eg]	Ca. 230	
<b>Colour</b> [Gardner]	Max. 6	<b>Use level</b> [g/100g]	120 <sup>1)</sup>	25 <sup>2)</sup>
<b>Solids content</b> [%]	54 - 56	<b>Gel time</b> 250 g at 23°C	Ca. 1 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> [%]	0	

<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 210/5 is an emulsifying hardener especially suited for the formulation of

- aqueous corrosion protection coatings
- concrete primers
- floor and wall paints
- epoxy cement mortars,
- Thick layer self levelling floor coatings
- Industrial coatings
- Corrosion inhibition paints.

Merginamid A 210/5 has a transparent appearance and lighter colour than other standard hardeners\*. The very light colour of this hardener and its low yellowing tendency enable its use also in the decorative field of application.





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It shows good adhesion on metallic and mineral substrates, good early water resistance and a good chemical resistance. The coating formulations based on this hardener possess a potlife of about one hour, and the coating films reach their final hardness at a high gloss level already after two days.

Due to their very low shrinkage tendency epoxy coatings based on Merginamid A 210/5 can also be applied as thick layers. Thick layer (3 mm) self-levelling concrete coatings bind within 24 hours and result in a homogeneous surface with high water resistance. Pigment wetting is very good and pigment floating is avoided.



Upon request guiding formulations using Merginamid A 210/5 are available.

\*Hardener B = commercial available product type of competitor

### Disclaimer

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