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Merginamid A 140

PRODUCT INFORMATION

Product Description

Merginamid A 140 is a solvent containing modified polyaminoamide-adduct hardener which is applied in combination with solutions of solid epoxy resins. They can be used to formulate cold hardening, solvent containing coatings for corrosion protection on steel (e.g. in ship building) and on mineral substrates (e.g. construction industry).

Typical Parameters

Viscosity at 25 °C [mPa*s]	7 000 - 9 000	**Flash point** [°C]	Min. 28
Amine value [mg KOH/g]	140 - 160	**H-active-equivalent** [g/Eg]	Ca. 340
Colour [Gardner]	Max. 10	**Use level** [g/100g]	70 [1)]
Solids content [%]	69 - 71	**Gel time** 250 g at 23 °C	Min. 12 h [1)]
Density at 20 °C [g/cm^3]	0.96	**Solvent**	Xylene / n-butyl alcohol (4/1)
		Biobased carbon content [2)] [%]	50

[1)] Dispersion of a solid epoxy resin, epoxy equivalent weight approx. 450-500 g/Eq
[2)] Measure of the amount of biomass-derived carbon in a product compared to its total carbon content

Application and Properties

In combination with solid epoxy resins Merginamid A 140 offers the following advantages compared to other polyaminoamide-adduct hardeners:

- Long potlife
- Excellent flow properties,
- Short drying time
- Tackfree film forming of lacquer films
- High gloss of lacquer films
- Applicable even at high air-humidity (up to 70%) and at temperatures about ten degrees Celsius
- Decrease in application time due to skipping of pre-reaction

Merginamid A 140 is therefore used successfully under difficult weather conditions in as clear lacquers, pigmented lacquers, graining primers and rust-prevention primers.

The mixing ratio calculated from the epoxy equivalent weight (EEW) of the solid epoxy resin in use and the H-active-equivalent of the hardener should be maintained. Deviations of up to fifteen percent are acceptable. A higher proportion of hardener causes greater flexibility and better adhesion, while better chemical resistance is achieved with a lower proportion of the hardener.

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.

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