ACURE® 500

Technical Datasheet

TYPE

Blocked catalyst for use in ACURE systems.

FORM OF DELIVERY

Approx. 29.5 % solids content in
water / ethanol / n-propyl alcohol / di-ethyl carbonate

SPECIFICATIONS

Determined per batch:

Colour / Appearance VLN 250		
colour		colourless
appearance		clear
Colour Scale (Hazen) DIN EN ISO 6271-1		
Hazen colour value		< 100
Amine Value DIN 53176		
amine value	[mg KOH/g]	50,8 - 53,4
(form of delivery)		

Not continually determined:

Amine equivalent weight		
Value	[g/eq]	1077
approx.		
Density (Liquids) DIN EN ISO 2811-2		
density	[g/cm³]	0,95
approx.		
(20 °C)		
Flash Point DIN EN ISO 1523		
flash point	[°C]	27
approx.		

PRECAUTIONS

Before using ACURE 500, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

TECHNICAL FEATURES

- Enabler of fast dry times with long pot-life in ACURE systems.
- Clear, low viscosity liquid containing water yet compatible with solvent borne systems.
- Low odor.

APPLICATION

Catalyst for ACURE based paints used in fast drying, durable coatings for a variety of markets including, the marine and protective, agricultural, construction, rail and aerospace markets, flooring decorative and wood coating markets.

STORAGE CONDITIONS

Store in the original sealed containers, at temperatures above 0 °C and up to 30 °C. Care should be taken not to expose the product to direct sunlight, ignition sources, oxidizing agents, alkalis or acids.

The formation of small amounts of CO_2 are possible, if the equilibrium shifts and the pH increases.

SHELF LIFE

Standard shelf life is 365 days from the date of manufacturing.
For products still in allnex possession allnex may extend the expiration date of a batch upon re-testing by QC.

FORMULATION GUIDELINE

Guidance related to usage levels of this resin and other kinetic additives may be found in the “ACURE Paint Formulating Guide” and “The ACURE Formulator” (an MS Excel based kinetic additive calculation tool) both of which are available upon request.

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