ACURE™ 600

Technical Datasheet

TYPE

Blocked catalyst for use in water-based ACURE AQ systems.

DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

ACTIVE SUBSTANCE

appr. 25 % in water/ethanol

TENTATIVE PRODUCT DATA

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 (form of delivery)	[mg KOH/g]	43,5 - 46,5
pH-Value DIN ISO 976		
pH-value (10 %)		9,0 - 11,0

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2		
density (20 °C)	[g/cm³]	0,95
Flash Point DIN EN ISO 1523		
flash point	[°C]	44

TECHNICAL FEATURES

- Enabler of fast dry times with long pot-life in water-based ACURE AQ systems.
- Clear, low viscosity liquid containing water/ethanol.
- Low odor.

APPLICATION

Catalyst for water-based ACURE AQ based paints used in fast drying, durable coatings for a variety of markets including, the marine and protective, agricultural, construction and rail markets.

The suitable dosage of ACURE 600 must be adjusted to the specific formulation requirements. Typically ACURE 600 is used at a level of 3 to 6 %-wt. based on ACURE AQ binder resin (e.g. ACURE AQ 620-100).

ACURE 600 can be diluted with water in all ratios to adjust the mixing ratio.

DISTINGUISHING FEATURES

ACURE 600 is a modified version of ACURE 500 particularly to be used for water-based ACURE AQ systems.

PRECAUTIONS

Before using ACURE 600, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

STORAGE CONDITIONS

ACURE 600 should be stored at temperatures between 5 and 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 is possible

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.

PRELIMINARY PRODUCT INFORMATION

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.