ACURE™ 510-270

Technical Datasheet

A malonate functional polyester resin with a CH equivalent weight of 170 g/eq (calculated on as-supplied product), for use as a donor resin in ACURE systems. Contains 1.5 +/- 0.05 % succinimide.

SOLVENT COMPOSITION

Butyl acetate

SPECIFICATIONS

Non-Volatiles: ISO 3251, *STM 001G*	81 - 86 %
Viscosity: ISO 3219, *STM 012J*	1.2 - 6.2 Pa.s
Acid value (as such): ISO 3682, *STM 303A*	max. 0.7 mg KOH/g
Colour APHA (Lico): ISO 6271, *STM 008F*	max. 250 APHA
Appearance: *STM 017A*	Clear, free of extraneous matter

TYPICAL PROPERTIES

Density: DIN 53217	1.09 kg/dm3
Flash point: ISO 1523	22 °C

REMARKS

STM: allnex method of determination (available on request).

STM 001G: spreading agent is xylene.

TECHNICAL FEATURES

Topcoats based on ACURE 510-270 feature robust adhesion on epoxy-amine primers, excellent hardness development coupled with excellent appearance, high cross link densities and outstanding chemical resistance. ACURE paints exhibit extremely fast dry times combined with long pot lives and tuneable open times.

The succinimide in ACURE 510-270 acts as a "kinetic additive" increasing open time and gloss of ACURE paints. The base resin used in ACURE 510-270 is compositionally the same as ACURE 510-200. As succinimide is quite difficult to dissolve, ACURE 510-270 provides a production friendly manner of incorporation of succinimide into ACURE paints.

APPLICATION

Extremely fast drying topcoats for use in Marine and Protective and various premium, non-isocyanate topcoat systems.

Topcoat for industrial applications.

STORAGE CONDITIONS

Keep container tightly closed and dry in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition.

SHELF LIFE

Standard shelf life is 365 days from the date of manufacturing, but may be extended based upon retesting by allnex Quality Control.

Disclaimer: allnex Group companies ('allnex') exclude all liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge but does not constitute any express or implied guarantee or warranty as to the accuracy, the completeness or relevance of the data set out herein. Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is suitable for any specific use, performance or result. Any unauthorized use of the product or information may infringe the intellectual property rights of allnex, including its patent rights. The user should perform his/her own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights or misappropriation of trade secrets of allnex and/or third parties remain the sole responsibility of the user.
Notice: Trademarks indicated with ® , TM or * as well as the allnex name and logo are registered, unregistered or pending trademarks of Allnex Netherlands B.V. or its directly or indirectly affiliated allnex Group companies. ©2020 allnex Group. All Rights Reserved.