ACURE® 510-170

Technical Datasheet

be ECOWISE™

TYPE

A malonate functional polyester resin with a CH equivalent weight of 212 g/eq (calculated on as-supplied product), for use as a donor resin in ACURE systems. Contains 1.5 +/- 0.05 % succinimide.
Belonging to our ECOWISE™ CHOICE product range for selected applications (contact your allnex representative for more information).

SOLVENT COMPOSITION

Butyl Acetate

SPECIFICATIONS

Non-Volatiles: ISO 3251, *STM 001G*	84 - 86 %
Viscosity: ISO 3219, *STM 012J*	4.0 - 10 Pa.s
Acid value (as such): ISO 3682, *STM 303A*	max. 0.7 mg KOH/g
Colour APHA (Lico): ISO 6271, *STM 008F*	max. 200 APHA
Appearance: *STM 017A*	Clear, free of extraneous matter

TYPICAL PROPERTIES

Density: DIN 53217	1.10 kg/dm3
Flash point: ISO 1523	39 °C

REMARKS

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

STM 001G: spreading agent is xylene.

This product contains approximately 1.5 % malonate functional reactive diluent. As the CH groups on this malonate material are reactive, they are factored in to the referenced CH equivalent weight. When determining the solids content of an ACURE paint by typical volatilization methods (hot plate or oven) the net result is a small increase (1-2 %) in the solids content of the actual cured paint.

TECHNICAL FEATURES

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

ACURE topcoats feature excellent hardness development coupled with excellent outdoor durability, high cross link densities and outstanding chemical resistance. ACURE paints exhibit long pot lives and tuneable open times.

The succinimide in ACURE® 510-170 acts as a "kinetic additive" increasing open time and gloss of ACURE paints. The base resin used in ACURE® 510-170 is compositionally the same as ACURE® 510-100. As succinimide is quite difficult to dissolve, ACURE® 510-170 provides a production friendly manner of incorporation of succinimide into ACURE paints.

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.

APPLICATION

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.
For products still in allnex possession allnex may extend the expiration date of a batch upon re-testing by QC.

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