

An SCA modified malonate functional polyester resin with a CH equivalent weight of 245 g/eq (calculated on as-supplied product), for use as a donor resin in ACURE systems.

SOLVENT COMPOSITION

Butyl acetate

SPECIFICATIONS

Non-Volatiles: 73 - 75 %

ISO 3251, STM 001G

Viscosity flowcurve C&P (23°C, 1 s⁻¹): 14 - 24 Pa.s

STM 012E

Viscosity flowcurve C&P (23 °C at 1000 s⁻¹): 0.60 - 1.2 Pa.s

STM 012E

Amine content: max 4.0 mmol /kg

STM 040A

Fineness: max. 15 microns

ISO 1524, STM 024A

TYPICAL PROPERTIES

Density: 1.04 kg/dm³

DIN 53217

Flash point: 27 °C

ISO 1523

TECHNICAL FEATURES

Extremely fast drying topcoats for use in Marine and Protective and various premium, non-isocyanate topcoat systems. ACURE based topcoats based on ACURE 510-100 feature excellent hardness development coupled with excellent outdoor durability, high cross link densities and outstanding chemical resistance. ACURE paints exhibit extremely fast dry times combined with long pot lives and tuneable open times.

APPLICATION

Topcoat for industrial applications.

STORAGE CONDITIONS

ACURE 510-190 should be stored in its original sealed containers at temperatures below 30 °C. Avoid exposure to direct sunshine.

SHELF LIFE

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

REMARKS

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

STM 001G: spreading agent is xylene.

In addition to the specified non-volatile content, 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 based paint by typical volatilization methods (hot plate or oven) the net result is that these reactive species will generate a small increase (1-2 %) in the solids content of the actual cured paint.