

TYPE

A solvent-free malonate functional polyester resin with a CH equivalent weight of 161 g/eq (calculated on as-supplied product), for use as a donor resin in ACURE systems.

Contains 1.5 +/- 0.05 % succinimide, calculated on solid binder.

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.

SOLVENT COMPOSITION

ACURE 510-172 is diluted in reactive diluent, which will not contribute to VOC when crosslinked.

SPECIFICATIONS

Non-Volatiles: ISO 3251, STM 001G	88 - 92 %
Viscosity (23 °C): ISO 3219, STM 012J	22 - 28 Pa.s
Acid value (as such): ISO 3682, STM 303A	max. 0.8 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	1.2 kg/dm ³
Flash point: ISO 1523	84 °C

REMARKS

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

STM 001G: spreading agent is xylene.

This product contains approximately 10% of a 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 ACURE 510-172 by typical volatilization methods (hot plate or oven), the reactive diluent evaporates. In an ACURE paint formulation, however, the diluent is reactive, which means that it remains in the actual cured paint.

TECHNICAL FEATURES

Ultra-low VOC, extremely fast drying topcoats for use in premium, non-isocyanate topcoat systems.

ACURE based topcoats feature excellent hardness development coupled with excellent outdoor durability, high cross-link densities and outstanding chemical resistance.

ACURE based topcoats exhibit extremely fast dry times combined with long pot lives and tuneable open times.

The succinimide in ACURE 510-172 acts as a "kinetic additive" increasing open time and gloss of ACURE paints.

This product is designed to be compatible with standard ACURE resins.

APPLICATION

Topcoats for flooring and 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.

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.