

TECHNICAL DATA SHEET

SYNOLAC® 40 X 60

Modified alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 40 X 60 is a styrenated short oil alkyd resin modified with dehydrated castor and soya oils. SYNOLAC® 40 X 60 is recommended for very fast air drying spraying finishes, water and mineral oil resistant finishes and primers for crankcases.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	59 - 61 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 13.2s-1) (25°C)	1500 - 3000 mPa.s	ISO 3219
Color	6 max Gardner	ISO 4630
Acid value	15 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	25 °C	ISO 3679
Density	1 g/ml	ISO 2811
Fatty acid type	Dehydrated castor / soya	-
Fatty acid content	36 %	-
Typical weight per epoxide	Styrene	-
Modification	Styrene	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS & APPLICATIONS

Coatings & Inks

- Industrial Coating
 - Automotive - Refinish
 - General Industry
 - Metal Exterior - Powder
 - Protective And Marine Coating
 - Rigid Packaging Metal (Can & Others)

PERFORMANCE BENEFITS

- Very fast initial and hard drying
- Good resistance to water and mineral oils

SYNOLAC® 40 X 60

FORMULATION GUIDELINES

DRIERS

The recommended drier level for use on air drying systems is 0.03% cobalt as metal on solids resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

The use of antiskinning agent is essential to prevent in-can skinning of the finished product.

SOLUBILITY

SYNOLAC® 40 X 60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. Its solubility is limited in terpenics. It is insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 40 X 60 is compatible with hydrocarbons resins, partially compatible with drying oils, maleic resins and modified phenolic resins. It is incompatible with standoils, long and medium oil alkyd resins, melamine/formaldehyde resins and chlorinated rubber resins.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 40 X 60 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.

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