

TECHNICAL DATA SHEET

SYNOLAC® 40X60 MY

Modified alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 40X60 MY is a styrenated short oil alkyd resin modified with dehydrated castor and soya oils. SYNOLAC® 40X60 MY 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 (25°C, Gardner)	XY - (Z+)	Gardner-Holdt
Color (Gardner)	Max. 6	ASTM D-1544
Acid value (mg KOH/g)	Max. 15	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1	-
Fatty acid type	Dehydrated Castor / Soya Oil	-
Fatty acid content (%)	36	-
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
 - Protective Coating
 - Protective And Marine Coating

PERFORMANCE BENEFITS

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

SYNOLAC® 40X60 MY

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® 40X60 MY is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. Its solubility is limited in terpenics. It is insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 40X60 MY 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® 40X60 MY should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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