

TECHNICAL DATA SHEET

SYNOLAC® 947 X 65

Medium oil alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 947 X 65 is a medium non yellowing drying oil alkyd resin. SYNOLAC® 947 X 65 is recommended for fast air and forced drying industrial paints, finishing paints for carbodies and fast drying synthetic enamels.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	64 - 66 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 13.2s-1) (25°C)	2000 - 3500 mPa.s	ISO 3219
Color	7 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	25 °C	ISO 3679
Density	1.01 g/ml	ISO 2811
Fatty acid type	Drying non yellowing	-
Fatty acid content	47 %	-

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

MARKETS

Coatings & Inks

- Industrial Coating
 - General Industry
 - Protective And Marine Coating

PERFORMANCE BENEFITS

- Good through drying
- Good gloss retention on outdoor exposure
- Good colour retention
- Excellent stability on storage even with reactive pigments

SYNOLAC® 947 X 65

FORMULATION GUIDELINES

DRIERS

A suitable combination of driers for use with SYNOLAC® 947 X 65 based coatings is 0.04-0.06% cobalt, 0.15-0.25% zirconium and 0.10-0.20% calcium, calculated as metals on total solid 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® 947 X 65 is soluble in aromatic hydrocarbons, esters, ketones, glycol ethers and terpenics, partially soluble in aliphatic hydrocarbons and insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 947 X 65 is compatible with medium oil alkyd resins, maleic resins, modified phenolic resins, chlorinated rubber resins, hydrocarbon resins and drying oils. It is partially compatible with long oil alkyd resins and incompatible with standoils.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 947 X 65 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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