

## 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 CHARACTERISTICS<sup>1</sup>

	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 %	-

<sup>1</sup>The 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
  - Automotive - Refinish
  - Coil
  - General Industry
  - Protective And Marine Coating
  - Industrial Wood Finishes

### 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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