

## TECHNICAL DATA SHEET

# SYNOLAC® 93X-70

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® 93X-70 is a short oil oxidising alkyd developed for use in a wide range of industrial; vehicle refinishing, fast air-drying and stoving applications.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	68 - 72 %	ISO 3251
Viscosity (40% Xylene, Ford Cup B-4) (at 30°C)	60 - 70 s	
Color	8 max Gardner	ISO 4630
Acid value	15 max mg KOH/g	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Volatile	Xylene	
Density (at 20°C)	1.06 g/ml	ISO 2811
Fatty acid type	Linoleic	
Fatty acid content	23 %	

Acid value and/or Hydroxyl value quoted relative to solid resin

<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
  - Packaging Coating Metal (Can And Others)
- Industrial Wood Finishes

### PERFORMANCE BENEFITS

- Rapid drying
- Excellent color retention
- Good hardness
- Good adhesion on metal substrates

# SYNOLAC® 93X-70

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

#### COMPATIBILITY:

SYNOLAC® 93X-70 is partially compatible with some short and medium oil alkyd resins, amino resins. It is incompatible with long oil alkyds, chlorinated rubber, nitrocellulose and vinyl resins.

#### SOLUBILITY:

SYNOLAC® 93X-70 is completely soluble in aromatic hydrocarbons, ketones and esters. It does have very limited solubility in alcohols. It is not soluble in aliphatic hydrocarbons.

#### DRIERS:

In air drying systems 0.05%CO, 0.5%Pb, 0.1%Ca calculated as metal on solid resins content are recommended.

S.D. - 15 - 20 Min.

T.D. - 60 - 75 Min.

H.D. - O/N

In low bake system recommended temperature is 80 - 90°C and level of Melamine formaldehyde is 5-15% on solid resin.

#### USES:

SYNOLAC® 93X-70 is use for vehicle refinishes, fast drying Industrial finishes and heavy-duty primers.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 93X-70 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 date of manufacturing.

Shelf Life (Months): 12

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