

## TECHNICAL DATA SHEET

# SYNOLAC® 7503 X 60

Modified alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® 7503 X 60 is a short oil length alkyd on dehydrated castor oil modified with phenolic, specially designed for anticorrosive primer industrial with excellent mechanicals properties.

SYNOLAC® 7503 X 60 is recommended for quick air drying primers, surfaces and finishes, petrol resistant enamels, agricultural machinery and hammer finishes.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	58 - 62 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 13.2s-1) (25°C)	2500 - 4500 mPa.s	ISO 3219
Color	10 max Gardner	ISO 4630
Acid value	17 max mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	25 °C	ISO 3679
Density	1.02 g/ml	ISO 2811
Fatty acid type	Dehydrated castor oil	-
Fatty acid content	31 %	-
Typical weight per epoxide	Phenolic	-
Modification	Phenolic	-

<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
  - General Industry
  - Protective And Marine Coating
  - Industrial Wood Finishes

# SYNOLAC® 7503 X 60

## FORMULATION GUIDELINES

### **DRIERS**

A suitable drier for use and air drying with SYNOLAC® 7503 X 60 is 0.03% cobalt calculated as metal on solid resin with regard to stoved, the ratio is 0.01-0.02% cobalt calculated as metal on solid resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of the drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

### **SOLUBILITY**

SYNOLAC® 7503 X 60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and shows a limited solubility in aliphatic hydrocarbons and alcohols.

### **COMPATIBILITY**

SYNOLAC® 7503 X 60 is compatible with most short oil alkyd resins, amino resins and ester type plasticisers. It is partially compatible with medium and long oil alkyd resins, vinyl modified alkyd resins, epoxy resin esters, vegetable oils, oleoresinous varnishes, nitrocellulose and cyclised rubber resins.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 7503 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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