

## TECHNICAL DATA SHEET

# SYNOLAC® 5512 X 60

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® 5512 X 60 is a short alkyd resin based on vegetable fatty acids. The flexibility is the main feature of SYNOLAC® 5512 X 60 and it is mainly used for highly pigmented 2 pack PU sealers for wood and as a plasticizer for other SYNOLAC® types, without losing its drying and sanding properties. It also provides a very fast hardening speed in two component polyurethane varnishes.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	59 - 61 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 13.2s-1) (25°C)	1500 - 3000 mPa.s	ISO 3219
Color	5 max Gardner	ISO 4630
Acid value	18 - 23 mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	25 °C	ISO 3679
Density	1.05 g/ml	ISO 2811
Fatty acid type	Vegetable fatty acids	-
Fatty acid content	43 %	-
Hydroxyl content	4.7 %	-

<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
- Wood Furniture

# SYNOLAC® 5512 X 60

## FORMULATION GUIDELINES

### **SOLUBILITY**

SYNOLAC® 5512 X 60 is soluble esters, ketones and glycol ethers, has a limited solubility in aromatic hydrocarbons and alcohols and is insoluble in aliphatic hydrocarbons.

The reaction ratio is calculated from the respective equivalent weight or hydroxyl and isocyanate content of the reactants. The relationship is:

Hydroxyl Equivalent Weight =  $(17 \times 100) / \%OH$

Isocyanate Equivalent Weight =  $(42 \times 100) / \%NCO$

### **COMPATIBILITY**

SYNOLAC® 5512 X 60 is compatible with most short oil alkyd resins and nitrocellulose.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 5512 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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