

## TECHNICAL DATA SHEET

# SYNOLAC® 162 W 70

*Solventborne Alkyd*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 162 W 70 is a soya bean long oil alkyd recommended for decorative enamels and paints, white and pale shades and maintenance paints.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	69 - 71 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 6.6s-1) (25°C)	10500 - 19000 mPa.s	ISO 3219
Color	6 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	White spirit	-
Flash point	38 °C	ISO 3679
Density	0.95 g/ml	ISO 2811
Fatty acid type	Soya bean	-
Fatty acid content	62 %	-

<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

- Architectural Coating
  - Specialty Coatings
  - Trim

### PERFORMANCE BENEFITS

- Good initial gloss
- Good gloss retention
- Good drying properties
- Good colour retention
- Good outdoor resistance

# SYNOLAC® 162 W 70

## FORMULATION GUIDELINES

### **DRIERS**

SYNOLAC® 162 W 70 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 162 W 70 is: 0.06% cobalt, 0.09% zirconium and 0.1% calcium calculated as metals on solid resin. Depending on the formulation (clear, pigmented, 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 an anti-skinning agent is essential to prevent in-can skinning of the finished product.

### **SOLUBILITY**

SYNOLAC® 162 W 70 is soluble in aromatic hydrocarbons, aliphatic hydrocarbons, terpenics, esters, ketones and glycol ethers. It is insoluble in alcohols.

### **COMPATIBILITY**

SYNOLAC® 162 W 70 is compatible with long oil alkyd resins, maleic resins, hydrocarbon resins and drying oils. Its compatibility is limited with standoils, modified phenolic resins, medium oil alkyd resins and chlorinated rubber resins. It is incompatible with melamine/formaldehyde resins and short oil alkyd resins.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 162 W 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 shipping date.

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