

## TECHNICAL DATA SHEET

# SYNOLAC® 1180 WD 70

*Modified alkyd*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 1180 WD 70 is a long oil alkyd based on linseed oil and modified with wood oil and superphenolic resin.

SYNOLAC® 1180 WD 70 is recommended for clear varnish for yacht paints and for low aromatic content paints.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	69 - 71 %	ISO 3251
Viscosity (Brookfield SC4-21/13R, 11 s-1) (25°C)	2200 - 3500 mPa.s	ISO 3219
Color	10 max Gardner	ISO 4630
Acid value	16 max mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	De-aromatised white spirit	-
Flash point	42 °C	ISO 3679
Density	0.929 g/ml	ISO 2811
Fatty acid type	Linseed wood	-
Fatty acid content	65 %	-
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
  - General Industry
  - Protective And Marine Coating

### PERFORMANCE BENEFITS

- Very good drying time
- Very good hardness
- Very good durability

# SYNOLAC® 1180 WD 70

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® 1180 WD 70 can be formulated with the following drier metals:

cobalt 0.05  
calcium 0.2  
zirconium 0.15

as % metal on 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® 1180 WD 70 is soluble in most aliphatic and aromatic hydrocarbons, esters and ketones. Its solubility is limited in alcohols.

### COMPATIBILITY

SYNOLAC® 1180 WD 70 is compatible with long and medium oil length alkyd resins.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 1180 WD 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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