

TECHNICAL DATA SHEET

SYNOLAC® 60 WD 70

Solventborne Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 60 WD 70 is a long oil alkyd developed for use for the formulation of interior and exterior decorative paints and varnishes.

SYNOLAC® 60 WD 70 is supplied in low aromatic white spirit to enable the formulation of coatings that do not require adverse environmental labelling.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	69 - 71 %	ISO 3251
Viscosity (Brookfield SC4-34/13R, 2.8 s-1) (25°C)	4000 - 5000 mPa.s	ISO 3219
Color	7 max Gardner	ISO 4630
Acid value	4 - 10 mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Low aromatic white spirit	
Flash point	40 °C	ISO 3679
Density (25°C)	0.96 g/ml	ISO 2811
Fatty acid type	Linoleic rich	
Fatty acid content	61 %	

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS & APPLICATIONS

Coatings & Inks

- Architectural Coating
 - Interior Wall
 - Primers
 - Specialty Coatings
 - Stains
 - Trim
- Flooring
 - Floor Polish & Floor Coatings
- Industrial Coating
 - Coil
 - General Industry
 - Protective And Marine Coating

PERFORMANCE BENEFITS

- Good drying
- Good gloss
- Good durability
- Good colour retention

SYNOLAC® 60 WD 70

FORMULATION GUIDELINES

DRIERS

SYNOLAC® 60 WD 70 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 60 WD 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.

COMPATIBILITY

SYNOLAC® 60 WD 70 is compatible with most long and medium oil alkyds, drying oils and varnishes, chlorinated rubber and nitrocellulose. It is partially compatible with stand oils and short oil alkyds.

Pigmentation with a wide range of inorganic and organic pigments using high-speed dispersers and bead mill is straightforward. Dispersion of semi-transparent iron oxides should be treated with caution due to risk of gelation.

SYNOLAC® 60 WD 70 can be used in conjunction with GELKYD® or SUPER GELKYD® thixotropic alkyds to produce a range of thixotropic decorative coatings.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 60 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.

Shelf Life (Months): 9

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