

TECHNICAL DATA SHEET

SYNOLAC® 606 WD 75

Solventborne Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 606 WD 75 is a low yellowing long oil alkyd designed for use in high quality decorative and industrial topcoats. It is more specifically adapted to the formulation of interior and exterior paints.

SYNOLAC® 606 WD 75 can be formulated into a range of decorative coatings that meet the 2010 VOC limits set in Directive 2004/42/CE.

SYNOLAC® 606 WD 75 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)	74 - 76 %	ISO 3251
Viscosity (Brookfield SC4-34/13R, 2.8s-1) (25°C)	3600 - 4600 mPa.s	ISO 3219
Color	6 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Low aromatic white spirit	-
Flash point	40 °C	ISO 3679
Density	0.96 g/ml	ISO 2811
Fatty acid type	Sunflower	-
Fatty acid content	63 %	-

¹The 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
 - Primers
 - Specialty Coatings
 - Stains
 - Trim
- Flooring
 - Floor Polish & Floor Coatings

PERFORMANCE BENEFITS

- Low yellowing
- Good brushing characteristics
- Good flow and levelling characteristics
- Good exterior durability
- Good drying characteristics
- Good hardness

SYNOLAC® 606 WD 75

FORMULATION GUIDELINES

DRIERS

SYNOLAC® 606 WD 75 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 606 WD 75 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® 606 WD 75 solubility is complete in aromatic and aliphatic hydrocarbons, esters and ketones and has a limited solubility in alcohols.

COMPATIBILITY

SYNOLAC® 606 WD 75 is compatible with most medium and long oil alkyds and can be used 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® 606 WD 75 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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