

TECHNICAL DATA SHEET

SYNOLAC® 755 WD 60

Solventborne Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 755 WD 60 is a medium oil length alkyd resin based on low yellowing drying acids. SYNOLAC® 755 WD 60 is recommended for decorative enamels, general purpose enamels and paints with good colour retention, gloss and good through-drying. The resin is supplied in low aromatic white spirit, thus enabling the manufacture of decorative paints with low environmental impact.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	59 - 61 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 13.2s-1) (25°C)	7000 - 9000 dPa.s	ISO 3219
Color	5 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 (25°C)	0.91 g/ml	ISO 2811
Fatty acid type	Low yellowing drying acids	-
Fatty acid content	54 %	-

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
 - Trim
 - Other Architectural Coating
- Industrial Coating
 - General Industry
 - Metal Exterior - Powder
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

- Good gloss
- Good colour retention
- Excellent drying and hardness development
- Good brushability and levelling
- Good outdoor resistance

SYNOLAC® 755 WD 60

FORMULATION GUIDELINES

DRIERS

SYNOLAC® 755 WD 60 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 755 WD 60 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® 755 WD 60 is soluble in aromatic hydrocarbons, aliphatic hydrocarbons, terpenics, esters, ketones and glycol ethers. It is insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 755 WD 60 is compatible with long and medium oil alkyds, maleics, hydrocarbons resins and drying oils, modified phenolic resins, chlorinated rubber and nitrocellulose. It is incompatible with standoils.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 755 WD 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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