

TECHNICAL DATA SHEET

SYNOLAC® 1133 X 60

Modified alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 1133 X 60 is a short oil length alkyd resin based on fish/tung oil modified with phenolic and rosin.

SYNOLAC® 1133 X 60 is recommended for fast air drying anticorrosive industrial primers, fillers and putties and primers and undercoats recoatables with nitrocellulose.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	59 - 61 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 6.6s-1) (25°C)	4500 - 7500 mPa.s	ISO 3219
Color	12 max Gardner	ISO 4630
Acid value	20 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	25 °C	ISO 3679
Density	1.01 g/ml	ISO 2811
Fatty acid type	Fish / Tung	-
Fatty acid content	33 %	-
Modification	Phenolic / Rosin	-

¹The 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
 - Metal Exterior - Powder
 - Protective And Marine Coating

PERFORMANCE BENEFITS

- Very fast initial and hard air drying
- Excellent recoatability
- Good adherence to metals
- Very good anticorrosive protection
- Resistance to humidity

SYNOLAC® 1133 X 60

FORMULATION GUIDELINES

DRIERS

A suitable drier for use on air drying systems with SYNOLAC® 1133 X 60 is 0.05% cobalt, 0.15% zirconium and 0.15% manganese calculated 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® 1133 X 60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. It shows limited solubility in terpenic solvents. It is insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 1133 X 60 is compatible with urea/formaldehyde, benzoguanamine/formaldehyde and nitrocellulose resins. It is partially compatible with medium oil alkyd resins and melamine/formaldehyde resins and incompatible with drying oils.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 1133 X 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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