

TECHNICAL DATA SHEET

SYNOLAC® 1949 X 70

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 1949 X 70 is a short oil length alkyd resin based on synthetic fatty acids, with excellent gloss and good compromise between drying, levelling and hiding of the sanding marks, exhibiting high yellowing resistance in combination with aliphatic polyisocyanates. SYNOLAC® 1949 X 70 is designed for high gloss two pack polyurethane varnishes and enamels for wood.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	69 - 71 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 6.6s-1) (25°C)	5500 - 7500 mPa.s	ISO 3219
Color	2 max Gardner	ISO 4630
Acid value	5 - 10 mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	24 °C	ISO 3679
Density	1.03 g/ml	ISO 2811
Fatty acid type	Synthetic fatty acids	-
Fatty acid content	32 %	-
Hydroxyl content	3.5 - 4.1 %	-

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
 - Wood Furniture
 - Industrial Wood Finishes

SYNOLAC® 1949 X 70

FORMULATION GUIDELINES

SOLUBILITY

SYNOLAC® 1949 X 70 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and has a limited solubility in aliphatic hydrocarbons and alcohols.

COMPATIBILITY

SYNOLAC® 1949 X 70 is compatible with the most short oil alkyds resins, nitrocellulose, phthalate plasticizers, maleic resins, urea and melamine resins, polyisocyanates aromatics and aliphatics.
It is partially compatible with acetobutyrate (maximum 2% on solid content).

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 1949 X 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.

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

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