

TECHNICAL DATA SHEET

SYNOLAC® K32X

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® K32X is short oil, non-drying alkyd resin recommended to be used as plasticizer in nitro-cellulose lacquers. In conjunction with proper amino resins, acid curing lacquers with good pot-life, cold check resistance and non-yellowing properties can be formulated. It is also recommended to be used as non-yellowing stoving enamel.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	68 - 72	ISO 3251
Viscosity (25°C, Gardner)	(Z6-) – (Z6+)	Gardner-Holdt
Color (Gardner)	Max. 4	ASTM D-1544
Acid value (mg KOH/g)	3 - 10	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.07	-
Fatty acid type	Coconut Oil	-
Fatty acid content (%)	32	-
Hydroxyl content (%)	5.2	-

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

PERFORMANCE BENEFITS

- Fast drying
- Good pot-life
- Non-yellowing

SYNOLAC® K32X

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® K32X can be used for nitro-cellulose and acid curing wood coatings, general-purpose industrial enamels.

SOLUBILITY

Aromatic hydrocarbon — Complete
Ester — Complete
Ketone — Complete
Glycol Ether — Complete
Alcohol — Partial
Aliphatic Hydrocarbon — Not Soluble

COMPATIBILITY

Urea Resins — Very Good
Isocyanate Resins — Very Good
Short Oil Alkyd — Good
Melamine Resins — Good
NC/CAB — Good
Polyester Resins — Fair
Acrylic Resins — Fair
Epoxy Resins — Fair

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® K32X should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.
In the above mentioned storage conditions the shelf life of the resin will be 12 months.

Arkema Coating Resins Malaysia
PLO 491, Jalan Keluli, Pasir Gudang
Industrial Estate, 81700 Pasir Gudang,
Johor – Malaysia
T +60 7 253 6688

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

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

ARKEMA