

TECHNICAL DATA SHEET

SYNOLAC® 7500

Very long oil alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 7500 is a long oil length, high solid, oxidising alkyd. SYNOLAC® 7500 exhibits good penetration into wooden substrates and very smooth wiping feel. It has very good gloss and flexibility.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	Min. 98	ISO 3251
Viscosity (25°C, Gardner)	X-Z	Gardner-Holdt
Color (Gardner)	Max. 8	ASTM D-1544
Acid value (mg KOH/g)	3 - 10	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Nil	-
Density (25°C, g/mL)	0.99	-
Fatty acid type	Linseed Oil	-
Fatty acid content (%)	75	-

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
 - Primers
 - Stains
- Industrial Coating
 - General Industry
 - Wood Furniture
 - Wood Stains
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

- Good flexibility
- Excellent and easy wiping
- Excellent penetration into wood
- Excellent pigment wetting
- High pigment loading

SYNOLAC® 7500

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

As a sole binder, or in combination with suitable thixotropic alkyd resins, SYNOLAC® 7500 produces paints and stains with high solids content. It is most suitable for high solid wood primers.

For decorative paints, a mixture of Cobalt and Zirconium driers to give 0.05% Cobalt and 0.15% Zirconium expressed as metals on solid resin are recommended. Where drier absorption on pigment surfaces is a potential problem or in industrially polluted atmospheres, Calcium drier up to a maximum of 0.2% metal on solid resin can be used in addition. It is normal practice to add anti-skinning agent, and methyl ethyl ketoxime at 0.1% of the total paint is recommended.

SOLUBILITY

Aromatic hydrocarbon — Complete

Aliphatic Hydrocarbon — Complete

Alcohol — Partial

COMPATIBILITY

Long Oil Alkyd — Very Good

Linseed Oil — Very Good

Stand Oil — Very Good

Medium Oil Alkyd — Partial

Thixotropic Alkyd Resins — Good

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 7500 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.

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