

TECHNICAL DATA SHEET

SYNOLAC® S63

Long oil alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® S63 is a long oil oxidizing alkyd develops for use in all decorative and marine paints/varnishes.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	68 - 72	ISO 3251
Viscosity (25°C, Gardner)	Z3 - Z4	Gardner-Holdt
Color (Gardner)	Max. 6	ASTM D-1544
Acid value (mg KOH/g)	5 - 8	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	White Spirit	-
Density (25°C, g/mL)	0.96	-
Fatty acid type	Soya Bean Oil	-
Fatty acid content (%)	63	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Architectural Coating
 - Exterior Wall
 - Primers
 - Trim
 - Architectural Wood
- Industrial Coating
 - Marine
 - Protective Coating
 - Protective And Marine Coating

PERFORMANCE BENEFITS

- Fast drying
- Good durability
- Good color retention
- Good gloss retention

SYNOLAC® S63

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® S63 is excellent for use in a large variety of interior and exterior paints. It is most suitable for application by brush. SYNOLAC® S63 is recommended for use in making all colors of decorative finishes exterior architecture, marine paints in heavy duty coatings.

A suitable combination of driers for use with SYNOLAC® S63 is 0.05% cobalt, 0.15% zirconium and 0.20% calcium calculated as metals on solid resin. Slight variations in the drier levels may be appropriate for particular paint systems.

To prevent in-can skinning of coatings a volatile anti-skinning agent such as methyl ethyl ketoxime is recommended. A level 0.2-0.5% calculated on solid resin is normally adequate.

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

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® S63 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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