

SYNOLAC® S63

Long Oil Alkyd

ARKEMA COATING RESINS

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

Performance Benefits

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

Polymer Type

- Solventborne alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	68 - 72
Viscosity at 25°C, Gardner Holdt	Z3 – Z4
Colour, Gardner scale (ASTM D1544)	6 max
Acid value, mg KOH/g (ISO 2114)	5 - 8

Other Characteristics¹

Volatile	White Spirit
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.96
Type of oil / fatty acid	Soy bean oil
oil / fatty acid content, %	63

Note: Acid value quoted relative to solid resin

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

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.

Formulation Guidelines

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 & 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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See SDS for Health & Safety Considerations.

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For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

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