

SYNOLAC® 8031 S 75

INDUSTRIAL WOOD

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 8031 S 75 is a short oil alkyd designed for use with nitrocellulose in aromatic-free nitrocellulose wood lacquers and with urea-formaldehyde and melamine-formaldehyde resins in high solids acid catalysed varnishes.

SYNOLAC® 8031 S 75 provides an excellent plasticizing effect for nitrocellulose. The nitrocellulose lacquers based on SYNOLAC® 8031 S 75 show good film build and a good balance of flexibility and hardness.

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	74 - 76
Viscosity at 25°C, mPa.s (ISO 3219)	5000 - 7000
Colour, Gardner scale (ISO 4630)	6 max
Acid value, mg KOH/g (ISO 2114)	20 - 30

Other Characteristics¹

Volatile	Butyl acetate : Ethanol
Flash point, °C (ISO 3679)	16
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.06
Type of fatty acid	Tall oil
Fatty Acid content, %	36

Note: Acid value and/or Hydroxyl 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

Formulation Guidelines

RECOMMENDATIONS FOR USE

In acid curing varnishes, the acid catalysed component is supplied in a separate container to the bulk of the lacquers and the two components are mixed prior to use. Once mixed this type of system will have a useable pot life of 2 or 3 days if stored at room temperature.

A good starting point for alkyd:amino ratio is 60:40 on solid resins where the amino component is divided 75:25 urea:melamine.

SOLUBILITY

SYNOLAC® 8031 S 75 is soluble in aromatic hydrocarbons, esters and ketones.

COMPATIBILITY

SYNOLAC® 8031 S 75 is compatible with most other short oil alkyds and amino resins and is incompatible with long oil alkyds.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 8031 S 75 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 9 months from the shipping date

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