

# 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 Characteristics<sup>1</sup>

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.

**SYNOLAC®**

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## 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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The logo for Arkema, featuring the word "ARKEMA" in a bold, sans-serif font. The letters "ARKE" are in dark blue, and the letters "MA" are in a lighter blue color.