

# SYNOLAC® 2126 S 75

INDUSTRIAL WOOD

ARKEMA COATING RESINS

## Product Application details

SYNOLAC® 2126 S 75 is a short oil alkyd resin modified with vegetable fatty acids intended for the formulation of clear and pigmented 2 pack polyurethane systems for furniture and wood items. It also can be used in nitrocellulose lacquers.

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	74 - 76
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	8000 - 12000
Colour, Gardner scale (ISO 4630)	5 max
Acid value, mg KOH/g (ISO 2114)	22 max

## Other Characteristics<sup>1</sup>

Volatile	Xylene / MEK
Flash point, °C (ISO 3679)	25
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.08
Type of fatty acid	Soya and castor oil
Fatty Acid content, %	32
Hydroxyl Content, %	3.5

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

<sup>1</sup> 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

SYNOLAC® 2126 S 75 is a general purpose resin with a wide field of applications in sealers and topcoats. It is specially recommended for combinations with SYNOLAC® 7025 S 50 HV and SYNOLAC® 7035 S 55 so as to improve the solids content while keeping a good speed of hardening.

The topcoats based on SYNOLAC® 2126 S 75 are easy to matt and show an excellent scratch resistance.

The reaction ratio is calculated from the respective equivalent weight or hydroxyl and isocyanate content of the reactants. The relationship is:

$$\text{Hydroxyl equivalent weight} = \frac{17 \times 100}{\% \text{ OH}}$$

$$\text{Isocyanate equivalent weight} = \frac{42 \times 100}{\% \text{ NCO}}$$

### SOLUBILITY

SYNOLAC® 2126 S 75 is completely soluble in aromatic hydrocarbons, esters, ketones and glycol ethers.

### COMPATIBILITY

SYNOLAC® 2126 S 75 is compatible with most of the short oil alkyds, nitrocellulose, rosin-maleic resins, amino resins and aromatic and aliphatic polyisocyanates. It is partially compatible with vinyl resins and incompatible with CAB.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Storage & Handling**

SYNOLAC® 2126 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 6 months from the shipping date

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