

TECHNICAL DATA SHEET

SYNOLAC® 2126 S 75

Short Oil Alkyd

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.

SALES SPECIFICATIONS

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

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene / MEK	-
Flash point	25 °C	ISO 3679
Density	1.08 g/ml	ISO 2811
Fatty acid type	Soya and castor oil	-
Fatty acid content	32 %	-
Hydroxyl content	3.5 %	-

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

MARKETS

Coatings & Inks

- Industrial Coating
 - General Industry
 - Wood Furniture
 - Industrial Wood Finishes

SYNOLAC® 2126 S 75

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:

Hydroxyl Equivalent Weight = $(17 \times 100) / \%OH$

Isocyanate Equivalent Weight = $(42 \times 100) / \%NCO$

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.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND 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 from the shipping date.

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

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