

TECHNICAL DATA SHEET

SYNOLAC® 3132 X 75

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 3132 X 75 is a short oil chain-stopped high solids alkyd suitable for use in industrial air dry, force dry and stoving finishes.

SYNOLAC® 3132 X 75 is recommended for use in machinery, agricultural and transport finishes. It is equally suitable for interior and exterior applications.

It can also be used in combination with conventional short or medium oil alkyds to reduce VOC.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	74 - 76 %	ISO 3251
Viscosity (25°C)	3600 - 9800 mPa.s	ISO 3219
Color	8 max Gardner	ISO 4630
Acid value	4 - 10 mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	28 °C	ISO 3679
Density	1.06 g/ml	ISO 2811
Fatty acid type	Soya	-
Fatty acid content	35 %	-

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
 - Protective And Marine Coating

PERFORMANCE BENEFITS

- Fast drying
- Good colour retention
- Good chemical resistance

SYNOLAC® 3132 X 75

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

For air dry finishes a suitable combination of driers for use with SYNOLAC® 3132 X 75 is 0.05% cobalt, 0.05% calcium and 0.20% zirconium calculated as metal on solid resin. For best through dry and film hardness especially in thick films an alternative combination of driers is recommended:

Aluminium Organic Complex, for example AOC 1020 X ⁽¹⁾, 0.3% aluminium on solid resin and cobalt 0.05% on solid resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

Although coatings based on SYNOLAC® 3132 X 75 show good air dry performance they can also be force dried. Suitable force dry schedules are 20 minutes at 75°C or 10 minutes at 85°C. In stoving systems the addition of 10-20% of an amino resin is recommended.

SYNOLAC® 3132 X 75 should only be used in applications consistent with the above recommendations. Proposals to use the resin in other ways should be discussed with ARKEMA before any action is taken.

COMPATIBILITY

SYNOLAC® 3132 X 75 is compatible with most short and medium oil length alkyds and amino resins. It is incompatible with long oil alkyds and drying oils.

Notes: ⁽¹⁾ OMG Borchers GmbH

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 3132 X 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.

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