

SYNOLAC® 3001/1

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 3001/1 is a long oil oxidising alkyd based on semidrying oil and modified with pentaerythritol. This is recommended for use in high quality non yellowing synthetic enamels having excellent gloss.

Performance

- Excellent gloss and gloss retention
- Excellent color retention
- Non yellowing

Polymer Type

- Solvent borne Alkyd

Sales Specifications

% Solid Content (at 150°C, 1gm, 1hr,) (ISO 3251)	95 - 100
Viscosity in seconds at 30°C,(50%in MTO, Ford Cup B-4)	20 - 24
Colour, Gardner scale (ISO 4630)	8 Max
Acid value, mg KOH/g (ISO 2114)	10 Max

Other Characteristics¹

Volatile	NA
Oil Length	65
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	0.98
Oil or Fatty Acid Type	Semidrying

Note: Acid value and oil length 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

RECOMMENDATIONS FOR USE

Formulation Guidelines

SOLUBILITY:

SYNOLAC® 3001/1 is soluble in aliphatic and aromatic hydrocarbons, ketones and esters.

COMPATIBILITY:

SYNOLAC® 3001/1 is compatible with most long and medium oil alkyds, urethane alkyds, drying oils and varnishes.

DRIERS:

For air drying application recommended drier combination is as follows; 0.05% Cobalt 0.1% Calcium and 0.5% Lead calculated as metal on solid resin. In lead free systems, 0.2% - 0.6% of Zirconium can be used as an alternative to Lead.

Typical Drying time using above combination are as follows:

S.D. - 1 – 2 hrs.
T. D. - 5 – 6 hrs.
H. D. - O/N.

USES:

This resin is use in high quality non-yellowing synthetic enamels and roller coating application.

SYNOLAC®

Product Safety

Please refer to the corresponding Safety Data Sheet

Storage & Handling

SYNOLAC® 3001/1 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. Under the above mentioned storage conditions the shelf life of the resin will be 12 months from the date of manufacturing.

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