

SYNOLAC®3002/1

ARKEMA COATING RESINS

Product Application details SYNOLAC® 3002/1 is a long oil oxidising alkyd based on semidrying oil and modified with pentaerythritol. This is recommended to use in high quality printing inks for paper and tin which are having excellent gloss and colour retention

Performance

- Excellent gloss and gloss retention
- Excellent color retention
- Excellent non yellowing properties

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)	25 - 30
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® 3002/1 is soluble in aliphatic and aromatic hydrocarbons, ketones and esters.

COMPATIBILITY:
SYNOLAC® 3002/1 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® 3002/1 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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