

SYNOLAC[®] 5001-70

ARKEMA COATING RESINS

Product Application details SYNOLAC[®] 5001-70 is a short oil non-oxidising alkyd resin. This resin is recommended to use with amino resins for stoving enamels and plasticizing alkyd in NC lacquers.

Performance

- Excellent gloss retention
- Excellent color retention
- Excellent hardness along with adequate flexibility

Polymer Type

- Solvent borne Alkyd

Sales Specifications	% Solid Content (at 150°C, 1gm, 1hr,) (ISO 3251)	68 – 72
	Viscosity in Poise at 25°C,(50%in Xylene) Brookfield Viscometer	5 - 8
	Colour, Gardner scale (ISO 4630)	5 Max
	Acid value, mg KOH/g (ISO 2114)	15 Max

Other Characteristics¹	Volatile	Xylene
	Oil Length	32
	Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.08
	Oil or Fatty Acid Type	Coconut

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

SYNOLAC[®] 5001-70 is compatible with amino resins and is typically used in combination with Melamine formaldehyde. For an optimum performance with respect to level of cure, flexibility, hardness and impact resistance, a combination of SYNOLAC[®] 5001-70 with amino resin at a suitable ratio on solid resin is recommended.

SOLUBILITY:

SYNOLAC[®] 5001-70 is soluble in aromatic hydrocarbons, ketones and esters.

COMPATIBILITY:

SYNOLAC[®] 5001-70 is compatible with most short oil alkyds, amino resins and nitrocellulose resins.

USES:

SYNOLAC[®] 5001-70 is used in stoving enamels with excellent colour retention. It is also used in NC lacquers and roller coating varnishes.

SYNOLAC[®]
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Product Safety

Please refer to the corresponding Safety Data Sheet

Storage & Handling

SYNOLAC® 5001-70 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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