

SYNOLAC[®] 4004-70

ARKEMA COATING RESINS

Product Application details SYNOLAC[®] 4004-70 is a long oil oxidising alkyd based on dehydrated castor oil. This is recommended for use in stoving enamels.

Performance

- Excellent gloss retention
- Excellent color retention
- Excellent water resistance

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	15 - 20
	Colour, Gardner scale (ISO 4630)	9 Max
	Acid value, mg KOH/g (ISO 2114)	10 Max

Other Characteristics¹	Volatile	Xylene
	Oil Length	40
	Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.07
	Oil or Fatty Acid Type	DCO

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[®] 4004-70 is compatible with a wide range of 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[®] 4004-70 with amino resin at a ratio of 70:30 on solid resin is recommended.

SOLUBILITY:

SYNOLAC[®] 4004-70 is soluble in aromatic hydrocarbons, ketones and esters.

COMPATIBILITY:

SYNOLAC[®] 4004-70 is compatible with most short oil alkyds and amino resins.

USES:

This resin is used in stoving enamels, primers and Industrial finishes.

SYNOLAC[®]
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Product Safety

Please refer to the corresponding Safety Data Sheet

Storage & Handling

SYNOLAC® 4004-70 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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