

TECHNICAL DATA SHEET

SYNOLAC® 4004-70

Short Oil Alkyd

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.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	68-72 %	ISO 3251
Viscosity (50% Xylene, Brookfield Viscometer) (at 25°C)	15-20 P	
Color	8 max Gardner	ISO 4630
Acid value	20 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Volatile	Xylene	
Density (at 20°C)	1.07 g/ml	ISO 2811
Fatty acid type	DCO	
Fatty acid content	40 %	

Acid value and/or Hydroxyl value quoted relative to solid resin

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
 - Wood Furniture

PERFORMANCE BENEFITS

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

SYNOLAC® 4004-70

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

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

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND 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. In the above mentioned storage conditions the shelf life of the resin will be from the date of manufacturing.

Shelf Life Durability (Months): 12

Arkema Chemical India Private Ltd.
D-43, Trans Thane Creek MICD
Industrial Area 400706, Mumbai – India
T +91 22 67377122

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

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