

## TECHNICAL DATA SHEET

# SYNOLAC® 3003-70

*Long oil alkyd*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 3003-70 is a long oil oxidising alkyd based on mixed fatty acid modified with Pentaerythritol. SYNOLAC® 3003-70 is recommended for use in high quality decorative paints and air drying enamels with excellent gloss

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	69 - 72 %	ISO 3251
Viscosity (Brookfield viscometer) (at 25°C)	100 - 150 P	
Color	7 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Volatile	MTO	
Density (at 20°C)	0.95 g/ml	ISO 2811
Fatty acid type	Mix Fatty Acid	
Fatty acid content	61 %	

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

<sup>1</sup>The 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
  - Packaging Coating Metal (Can And Others)

### PERFORMANCE BENEFITS

- Excellent gloss
- Excellent color retention
- Excellent gloss retention

# SYNOLAC® 3003-70

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

#### SOLUBILITY:

SYNOLAC® 3003-70 is soluble in aliphatic and aromatic hydrocarbons, ketones and esters.

#### COMPATIBILITY:

SYNOLAC® 3003-70 is compatible with most long and medium oil alkyds, urethane alkyds, drying oils and varnishes. It is partially compatible with short oil alkyds.

#### 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 – 1.5 hrs.

T. D. - 5 – 5.5 hrs.

H. D. - O/N.

#### USES:

This resin is use in high quality non-yellowing synthetic enamels.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 3003-70 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 (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**  
51, Esplanade du Général de Gaulle  
92800 Puteaux – France  
T +33 (0)1 49 00 80 80

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