

# SYNOLAC<sup>®</sup> P33X70

SHORT OIL ALKYD

ARKEMA COATING RESINS

## Product

### Application details

SYNOLAC<sup>®</sup> P33X70 is an economical non-drying short oil alkyd resin. In conjunction with proper amino resins, acid curing lacquers with good pot-life, cold check resistance and non-yellowing properties can be formulated. It is also recommended to be used as non-yellowing stoving enamel.

### Performance Benefits

- Good plasticizing properties
- Good pot-life
- Cold check resistant
- Non-yellowing

### Polymer Type

- Solventborne Alkyd

### Sales Specifications

Solid Content % (ISO 3251)	69 - 71
Viscosity at 25°C, Gardner Holdt	Z6Z7 – Z7Z8
Colour, Gardner scale (ASTM D1544)	3 max
Acid value, mg KOH/g (ISO 2114)	4 - 9

### Other Characteristics<sup>1</sup>

Volatile	Xylene
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.07
Type of fatty acid	Vegetable Oil
Fatty Acid content, %	33
OH Value, % approx.	4.0

Note: 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

### RECOMMENDATIONS FOR USE

SYNOLAC<sup>®</sup> P33X70 is recommended for use in furniture wood coatings. It can be used as plasticizer in nitro-cellulose lacquers and acid curing when formulated together with amino resins. It can also be used for non-yellowing stoving enamel and general-purpose industrial enamels.

### Formulation Guidelines

#### SOLUBILITY

Aromatic hydrocarbon	Complete
Ester	Complete
Ketone	Complete
Glycol Ether	Complete
Alcohol	Partial
Aliphatic Hydrocarbon	Not Soluble

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### COMPATIBILITY

Urea Resins	Very Good
Isocyanate Resins	Very Good
Short Oil Alkyd	Good
Melamine Resins	Good
NC/CAB	Good
Polyester Resins	Fair
Acrylic Resins	Fair
Epoxy Resins	Fair

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### **Product Safety**

Please refer to the corresponding Safety Data Sheet.

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### **Storage & Handling**

SYNOLAC® P33X70 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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#### **Arkema Coating Resins Malaysia Sdn Bhd**

PL0 491, Jalan Keluli, Pasir Gudang Industrial Estate,

81700 Pasir Gudang, Johor, Malaysia.

arkema.com - [arkemacoatingresins.com](http://arkemacoatingresins.com)