

SYNOLAC[®] S39X70

SHORT OIL ALKYD

ARKEMA COATING RESINS

Product Application details

SYNOLAC[®] S39X70 is a semi drying short oil alkyd resin. It can be used as plasticizing resin in NC paint. In conjunction with proper amino resins, acid curing lacquers with good pot-life and cold check resistance properties can be formulated.

Performance Benefits

- Good plasticizing properties
- Fast drying
- Good sanding properties
- Good hardness

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content % (ISO 3251)	69 - 71
Viscosity at 25°C, Gardner Holdt	Z3Z4 – Z5
Colour, Gardner scale (ASTM D1544)	4 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Xylene
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.05
Type of fatty acid	Soya bean Oil
Fatty Acid content, %	33
OH Value, %	3.7%

Note: Acid value and/or Hydroxyl value 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

SYNOLAC[®] S39X70 is recommended for use in furniture wood coatings. It can be used for acid curing when formulated together with amino resins. Use with isocyanate resin, it can be made into 2 pack polyurethane paint.

SYNOLAC[®] S39X70 give good hardness and fast drying time. It can be used for clear lacquer and pigmented coating.

It can also be used for air drying paints by proper formulate with catalyst.

Formulation Guidelines

SOLUBILITY

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

COMPATIBILITY

Urea Resins	Very Good
Short Oil Alkyd	Good
Melamine Resins	Good
Polyester Resins	Fair

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® S39X70 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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See SDS for Health & Safety Considerations.

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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

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