

TECHNICAL DATA SHEET

SYNOLAC® S39X70

Short Oil Alkyd

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.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	69 - 71	ISO 3251
Viscosity (25°C at 60% NV, Gardner)	Z3Z4 – Z5	Gardner-Holdt
Color (Gardner)	Max. 4	ASTM D-1544
Acid value (mg KOH/g)	Max. 10	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.05	-
Fatty acid type	Soya Bean Oil	-
Fatty acid content (%)	33	-
Hydroxyl content (%)	3.7	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS & APPLICATIONS

Coatings & Inks

- Architectural Coating
 - Architectural Wood
- Industrial Coating
 - General Industry
 - Protective Coating
 - Wood Furniture
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

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

SYNOLAC® S39X70

FORMULATION GUIDELINES

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.

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 AND 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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