

TECHNICAL DATA SHEET

SYNOLAC® T36X70

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® T36X70 is short oil, semi-drying alkyd resin intended for use in acid curing systems. Used with proper amino resins, the system will provide good cold-check, chemical and wet heat resistance.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	69 - 71	ISO 3251
Viscosity (25°C, Gardner)	Z7 - Z8	Gardner-Holdt
Color (Gardner)	Max. 5	ASTM D-1544
Acid value (mg KOH/g)	13 - 18	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.06	-
Fatty acid type	Tall Oil Fatty Acid	-
Fatty acid content (%)	36	-
Hydroxyl content (%)	2.9	-

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
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

- Good hardness
- Good drying and sanding properties
- Good cold check resistant
- Wet heat resistant

SYNOLAC® T36X70

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® T36X70 is recommended for use in furniture wood coatings based on acid curing and 2-pack polyurethane systems. Due to its fast curing and easy sanding, It is particularly suited for sanding sealers. It can also be used for stoving enamel when formulated together with amino resins.

SOLUBILITY

Aromatic hydrocarbon — Complete
Ester — Complete
Ketone — Complete
Glycol Ether — Complete
Alcohol — Partial
Aliphatic Hydrocarbon —Partial

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

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® T36X70 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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