

## TECHNICAL DATA SHEET

# SYNOLAC® T49MP

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® T49MP is semi-drying alkyd resin. Used in conjunction with suitable amino resins, high solids acid curing finishes with low aromatic solvents can easily be formulated. System based on SYNOLAC® T49MP give high film build, good stackability and good chemical and wet heat resistance.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	82 - 86	ISO 3251
Viscosity (25°C, Gardner)	Z5 - Z6	Gardner-Holdt
Color (Gardner)	Max. 6	ASTM D-1544
Acid value (mg KOH/g)	18 - 30	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Methoxy Propanol	-
Density (25°C, g/mL)	1.07	-
Fatty acid type	Tall Oil Fatty Acid	-
Fatty acid content (%)	49	-

<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
  - Wood Furniture
  - Wood Parquet
  - Industrial Wood Finishes

### PERFORMANCE BENEFITS

- Excellent wet heat resistant
- High film build
- Low aromatic content
- Good gloss
- Good stackability

# SYNOLAC® T49MP

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® T49MP is recommended for use in furniture and parquet finishes particularly acid curing and nitro-cellulose system. It is suitable for coating that high solids, high build and low aromatics.

### 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® T49MP 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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