

## TECHNICAL DATA SHEET

# SYNOLAC® N36X

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® N36X is short oil, non-drying resin based on saturated fatty acids. It is well fitted as a backbone resin in acid curing and nitrocellulose finishes where excellent colour and colour stability is desired. Very good wet heat resistance can be attained when formulated with relevant amino resins.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	58 - 62	ISO 3251
Viscosity (25°C, Gardner)	Z3-Z4	Gardner-Holdt
Color (Gardner)	Max. 1	ASTM D-1544
Acid value (mg KOH/g)	9 - 11	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.03	-
Fatty acid type	Saturated Fatty Acids	-
Fatty acid content (%)	36	-
Hydroxyl content (%)	4.7	-

<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
  - Industrial Wood Finishes

### PERFORMANCE BENEFITS

- Excellent light color
- Fast drying time
- Good hardness
- Good chemical resistant
- Good wet heat resistance
- Non-yellowing

# SYNOLAC® N36X

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® N36X is recommended for premium quality acid curing, polyurethane and nitro-cellulose furniture wood coating. It is particularly recommended for higher solids, higher build and light colour coatings suited.

### SOLUBILITY

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

### 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® N36X 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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