

TECHNICAL DATA SHEET

SYNOLAC® N33X

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® N33X is short oil, non-drying resin based on saturated fatty acids. It is well fitted as a backbone resin in acid curing, polyurethane 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, %)	68 - 72	ISO 3251
Viscosity (25°C, Gardner)	Z6Z7 – Z7	Gardner-Holdt
Color (Gardner)	Max. 1	ASTM D-1544
Acid value (mg KOH/g)	8 - 18	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.06	-
Fatty acid type	Saturated Fatty Acids	-
Fatty acid content (%)	33	-
Hydroxyl content (%)	3.03	-

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

MARKETS

Coatings & Inks

- Architectural Coating
 - Interior Wall
- Industrial Coating
 - Protective Coating
 - Wood Furniture
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

- Excellent light color
- Fast drying time
- Good hardness
- Good sanding properties
- Good wet heat resistance
- Non-yellowing

SYNOLAC® N33X

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® N33X is recommended for furniture wood coating based on acid curing, 2-pack polyurethane or nitro-cellulose system, with its excellent light colour, it is particularly suited for clear and light colour topcoats.

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 — Fair
NC/CAB — Good
Polyester Resins — Very Good
Acrylic Resins — Fair
Epoxy Resins — Good

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® N33X 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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