

TECHNICAL DATA SHEET

SYNOLAC® N28X

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® N28X is short oil, non-drying resin based on saturated fatty acids. It is well fitted as a plasticizing resin in nitrocellulose finishes. It is also designed for polyurethane and acid curing where excellent body and film aspect is desired.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	69 - 71	ISO 3251
Viscosity (25°C, Gardner)	Z1 - Z2	Gardner-Holdt
Color (Gardner)	Max. 1	ASTM D-1544
Acid value (mg KOH/g)	5 - 10	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.06	-
Fatty acid type	Saturated Fatty acids	-
Fatty acid content (%)	34	-
Hydroxyl content (%)	3.3	-

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
 - Stains
- Industrial Coating
 - General Industry
 - Wood Furniture
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

- Excellent film build
- Excellent pigment wetting and grinding
- Good gloss
- Good plasticizing effect
- Very light color

SYNOLAC® N28X

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® N28X is recommended for furniture wood coating based on acid curing, 2-pack polyurethane or nitro-cellulose system, With it excellent light colour, 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® N28X 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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