

TECHNICAL DATA SHEET

SYNOLAC® PT30X

Modified alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® PT30X is a short oil, phenolic modified, drying alkyd designed for industrials air-drying and stoving primers. SYNOLAC® PT30X dries rapidly to hard, but flexible films with excellent adhesion and corrosion resistance. Under normal conditions, there are no critical periods concerning lifting from strong solvents.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	58 - 62	ISO 3251
Viscosity (25°C, Gardner)	Z - (Z1+)	Gardner-Holdt
Color (Gardner)	Max. 10	ASTM D-1544
Acid value (mg KOH/g)	10 - 16	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.01	-
Fatty acid type	Tall oil fatty acid	-
Fatty acid content (%)	30	-
Modification	Phenolic	-
Hydroxyl value (mg KOH/g)	95	-

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
 - Primers
- Industrial Coating
 - Automotive - Refinish
 - General Industry

PERFORMANCE BENEFITS

- Excellent adhesion
- Good corrosion resistance
- Good hardness

SYNOLAC® PT30X

FORMULATION GUIDELINES

Due to SYNOLAC® PT30X's excellent fast drying, good adhesion to various metal substrates and good compatibility with various topcoats, it is strongly recommended for rapid drying universal primers. SYNOLAC® PT30X is also recommended for use in primers for agricultural and industrial equipments. When formulating paints using SYNOLAC® PT30X, stability with basic pigments and metal drier need to be thoroughly evaluated.

SOLUBILITY

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

COMPATIBILITY

Urea Resins — Good
Short Oil Alkyd — Good
Melamine Resins — Good
Isocyanate Resins — Fair
Polyester Resins — Fair
Acrylic Resins — Fair
Epoxy Resins — Fair

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® PT30X 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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