

TECHNICAL DATA SHEET

SYNOLAC® S42X(M)

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® S42X(M) is a chain stopped, short oil drying alkyd resin. It produces fast drying paints and lacquers which able to achieve a good hardness in a very short time.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	53 - 57	ISO 3251
Viscosity (25°C, Gardner)	Z2 - (Z3+)	Gardner-Holdt
Color (Gardner)	Max. 5	ASTM D-1544
Acid value (mg KOH/g)	23 - 35	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1	-
Fatty acid type	Soya Bean Oil	-
Fatty acid content (%)	42	-
Hydroxyl content (%)	4.5	-

¹The 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
 - General Industry

PERFORMANCE BENEFITS

- Good hardness
- Fast cure reactivity
- Good adhesion
- Good durability

SYNOLAC® S 42 X M

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® S42X(M) has little tendency to yellow and is suitable for use in air drying industrial paints for metal substrates such as auto-body repair finishes and machinery paints.
SYNOLAC® S42X(M) may also be used together with amino resins for use in low bake stoving finishes.

SOLUBILITY

Aromatic hydrocarbon — Complete
Alcohol — Partial
Aliphatic Hydrocarbon — Partial

COMPATIBILITY

Urea Resins — Very Good
Short Oil Alkyd — Good
Melamine Resins — Very Good

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® S42X(M) 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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