

TECHNICAL DATA SHEET

SYNOLAC® 07X

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 07X is branched polyester for use in combination with amino resins. SYNOLAC® 07X has good exterior durability, mechanical properties, gloss and gloss retention. The inter-coat adhesion is very good and SYNOLAC® 07X shows little yellowing when over-baked.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content(125°C, %)	70 - 72	ISO 3251
Viscosity(25°C, Gardner)	Z2-Z3Z4	Gardner-Holdt
Color(Gardner)	Max. 1	ASTM D-1544
Acid value(mg KOH/g)	4 - 12	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density(25°C, g/mL)	1.06	-
Hydroxyl content(%)	1.5	-

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 exterior durability
- Good mechanical Properties
- Good gloss
- Good gloss retention

SYNOLAC® O7X

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® O7X is recommended for use in primer/topcoat for domestic appliances, heating panels, refrigerators and electrical fittings.

SYNOLAC® O7X will react with most melamine formaldehyde resins at ratio of between 70:30 and 85:15 (polyester: amino)

SOLUBILITY

Ester — Complete

Ketone — Complete

Glycol Ether — Complete

Aromatic hydrocarbon — Partial

Alcohol — Partial

Aliphatic Hydrocarbon — Not Soluble

COMPATIBILITY

Isocyanate Resins — Very Good

Melamine Resins — Very Good

Phenolic Resin — Good

Polyester Resins — Good

Epoxy Resins — Good

Urea Resins — Fair

Acrylic Resins — Fair

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® O7X 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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