

## 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 CHARACTERISTICS<sup>1</sup>

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

<sup>1</sup>The 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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