

TECHNICAL DATA SHEET

SYNOLAC® 800AG

Oil free polyester

PRODUCT APPLICATION DETAILS

SYNOLAC® 800AG is an oil-free polyester designed for coil coating applications. It is also suitable for general metal and automotive refinish coating. This resin offers excellent pigment wetting, strong adhesion, and flexibility, while remaining a tough film.

SYNOLAC® 800AG is frequently used in automotive refinish for both solid color pigmented basecoat and metallic basecoat. It is being used together with CAB, which accelerates drying time and enhances the metallic effect of the coatings.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	59 - 61	ISO 3251
Viscosity (25°C, Gardner)	X-Z1	Gardner-Holdt
Color (Gardner)	Max. 4	ASTM D-1544
Acid value (mg KOH/g)	Max. 10	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Aromatic 150	-
Density (25°C, g/mL)	1.05	-
Hydroxyl content (%)	1.4	-

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
 - Automotive - Refinish
 - Coil
 - General Industry
 - Packaging Coating Metal (Can And Others)

PERFORMANCE BENEFITS

- Good lightfastness
- Exterior durability
- Very good stain resistance

SYNOLAC® 800AG

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 800AG should be used with a suitable methylated melamine resin in the ratio of 80:20 to 85:15 based on solid resins.

The addition of a catalyst such as Nacure 2500 (King Industries) at 0.1 – 0.2% can assist in increasing cure rate.

General industrial enamels can be formulated with 70:30 to 80:20 ratios with hexamethoxymethyl melamine or part methylated melamine, with 2% pTSA catalyst.

SOLUBILITY

Glycol Ether Esther — Complete

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Aromatic hydrocarbon — Complete

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 800AG 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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