

SYNOLAC® 810AG

Saturated (Oil Free) Polyester

ARKEMA COATING RESINS

Product Application details SYNOLAC® 810AG is an oil-free polyester developed for quality finishes for metal decorating and coil coating applications.

Performance Benefits

- Good flexibility
- Good forming properties
- Good adhesion
- Good performance
- Low bake system

Polymer Type

- Solventborne Polyester

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Viscosity at 25°C, Gardner Holdt	Z4 – Z5+
Colour, Gardner scale (ASTM D1544)	4 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Aromatic 150 / butyl glycol
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.05
Hydroxyl Context, %	0.79

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

¹ The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

RECOMMENDATIONS FOR USE

SYNOLAC® 810AG 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.

Formulation Guidelines

SOLUBILITY

Glycol Ether Ester	Complete
Glycol Ether	Complete
Aromatic hydrocarbon	Complete

COMPATIBILITY

Butylated Melamine Resins	Very Good
HMMM Resins	Very Good
Benzoguanamine Resins	Fair

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 810AG 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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The logo for ARKEMA, featuring the word "ARKEMA" in a bold, sans-serif font. The letters "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a light green color.