

SYNOLAC[®] O21NBg

Saturated (Oil Free) Polyester

ARKEMA COATING RESINS

Product Application details SYNOLAC[®] O21NBg is a saturated polyester recommended for the coil coating industry for cost effective backers and exterior topcoats.

Performance Benefits

- Capable of curing at high line speeds
- Combines good weatherability with good flexibility
- Gives good gloss and good flow
- Excellent colour stability
- Good adhesion to PU foam
- Excellent corrosion resistance

Polymer Type

- Solventborne Polyester

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	69 - 71
Viscosity at 25°C, Gardner Holdt	Z3Z4 – Z4Z5
Colour, Gardner scale (ASTM D1544)	2 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Aromatic 100 / butyl glycol
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.08
Hydroxyl Context, %	1.50
Hydroxyl Value, mg KOH/g	50

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

Formulation Guidelines

RECOMMENDATIONS FOR USE

SYNOLAC[®] O21NBg based coatings should be modified with hexamethoxymethylmelamine (HMMM) at a resin solids ratio of between 80:20 and 90:10 polyester:amino resin. A typical curing schedule is 30-60 seconds at 230-240°C peak metal temperature.

The temperature and times will vary according to the type and gauge of the metal substrate being used.

The addition of a catalyst such as Nacure[®] 3525 (1) at 0.1-0.2% can assist in increasing cure rate.

Notes: (1) King Industries

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® O21NBg 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.