

# SYNOLAC<sup>®</sup> E20105-65

ARKEMA COATING RESINS

**Product** SYNOLAC<sup>®</sup> E20105-65 is a saturated polyester recommended for the formulation of cost effective  
**Application details** coil and metal packaging coating applications.

## Performance

- Combine good weatherability with good flexibility
- SST Resistance
- Gives good gloss and good flow
- Good adhesion to PU foam
- Excellent color stability

## Polymer Type

- Solvent borne Polyester

## Sales Specifications

% Solid Content at (150°C,1gm,1hr), (ISO 3251)	64 - 66
Viscosity in Poise at 25°C, Brookfield Viscometer (ISO 3219)	33 - 39
Colour, Gardner scale (ISO 4630)	2 max
Acid value, mg KOH/g (ISO 2114)	2 - 10

## Other

### Characteristics<sup>1</sup>

Volatile	Aromatic solvent 100/Butyl Glycol (80:20)
Flash point, °C (ISO 3679)	38
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.06
Hydroxyl Value, mg KOH/g	50

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

<sup>1</sup> 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<sup>®</sup> E20105-65 is used in the coil coating industry for cost effective backers and exterior topcoats.

SYNOLAC<sup>®</sup> E20105-65 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°C - 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 at 0.1 - 0.2% can assist in increasing cure rate.

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**Product Safety**

Refer to the corresponding Safety Data Sheet.

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**Storage & Handling**

SYNOLAC® E20105-65 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided.

Under the above mentioned storage conditions the shelf life of the resin will be 12 months from the date of manufacturing.

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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.