

SYNOLAC® 9689 SD 65

COIL COATINGS

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 9689 SD 65 is a cycloaliphatic oil free polyester for coil coating application. SYNOLAC® 9689 SD 65 is specially designed to be used in top coat formulation with very good external durability offering better coverage on coil coating lines.

Performance Benefits

- Good flexibility / hardness
- Very good durability
- Offer a very good coverage with COV balance reduction

Polymer Type

- Solventborne Polyester

Sales Specifications

Solid Content at 150°C, % (ISO 3251)	64 - 66
Viscosity at 25°C, mPa.s (Brookfield SC4-21/13R, 19s-1) (ISO 3219)	2000 - 4000
Colour, Gardner scale (ISO 4630)	3 max
Acid value, mg KOH/g (ISO 2114)	3 max
Hydroxyl Value, mg KOH/g (ISO 4629)	50 - 70

Other Characteristics¹

Volatile	Aromatic solvent (boiling range 175°C - 215°C) / butyl glycol
Flash point, °C (ISO 3679)	59
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1,06
OH functionality	

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® 9689 SD 65 should be crosslinked with hexamethoxymethylmelamine (HMMM) at a resin solids ratio of between 80:20 and 85:15 polyester:amino resin or with blocked isocyanates.

The addition of anti UV agent is recommended to get to optimum durability.

Typical curing schedule is 20 to 30 seconds at 232°C peak metal temperature. The temperature and times will vary according to the sequence of application.

COMPATIBILITY

SYNOLAC® 9689 SD 65 is compatible with hexamethoxymethyl-melamine, blocked isocyanates, aromatic and glycol type solvents.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 9689 SD 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.

In the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date

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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 green color.