

# SYNOLAC® 9635 SD 65

COIL COATINGS

ARKEMA COATING RESINS

## Product Application details

SYNOLAC® 9635 SD 65 is a saturated, aliphatic-based polyester recommended for the formulation of highly durable coil coatings destined for extensive exterior exposure under harsh climatic conditions.

## Performance Benefits

- Capability of curing at high line speeds
- Good gloss and good flow
- Good flexibility
- Good adhesion to aluminium
- Exceptional exterior durability under harsh conditions with dark colours

## Polymer Type

- Solventborne Polyester

## Sales Specifications

Solid Content at 150°C, % (ISO 3251)	64 - 66
Viscosity at 25°C, mPa.s (ISO 3219)	1500 - 2500
Colour, Gardner scale (ISO 4630)	3 max
Acid value, mg KOH/g (ISO 2114)	3 max

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

Volatile	Aromatic solvent (boiling range 175°C - 215°C) / butyl glycol
Flash point, °C (ISO 3679)	56
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.06
Hydroxyl value, mg KOH/g	35

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® 9635 SD 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 1 minute at 315°C to have peak metal temperature at 232°C.

---

**Product Safety**

Please refer to the corresponding Safety Data Sheet.

---

**Storage & Handling**

SYNOLAC® 9635 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.  
Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.

---

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See SDS for Health & Safety Considerations.

The products described in the document are not Medical grades designated for Medical Device applications.

Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications. Arkema has designated Medical grades to be used for Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days.

For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

**Arkema Coating Resins**

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - [arkemacoatingresins.com](http://arkemacoatingresins.com)

**ARKEMA**  
INNOVATIVE CHEMISTRY