

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 Characteristics¹

| | |
|---|---|
| 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

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® 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.

SYNOLAC®

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.

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 "ARKE" are in dark blue, and the letters "MA" are in a lighter blue color.