

SYNOLAC® 2700 WD 70

ARCHITECTURAL COATINGS / PROTECTIVE & MARINE COATINGS

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 2700 WD 70 is an air drying silicone modified isophthalic alkyd recommended for high durability exterior marine and decorative maintenance finishes.

SYNOLAC® 2700 WD 70 is used as the sole binder for high durability and temperature resistant coatings on stable substrates (e.g. masonry, plasters, structural steel, exterior cladding repair coats).

SYNOLAC® 2700 WD 70 can also be used, in combination with suitable alkyds or thixotropic alkyds, for high durability exterior wood coatings. It is recommended that SYNOLAC® 2700 WD 70 is used at between 45-55% of the total binder solids in order to obtain the improved durability and the flexibility necessary for wood coatings.

SYNOLAC® 2700 WD 70 is supplied in low aromatic white spirit to enable the formulation of coatings that do not require adverse environmental labelling.

Performance Benefits

- Excellent weather resistance - up to 15 years
- Low dirt retention
- Good brushing and drying characteristics
- Low viscosity
- High build
- Excellent colour retention
- Excellent chalk resistance

Polymer Type

- Solventborne Silicone Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	68 - 72
Viscosity at 20°C, mPa.s (Brookfield SC4-21/13R) (ISO 3219)	6000 - 8300
Colour, Gardner scale (ISO 4630)	6 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Low aromatic white spirit
Flash point, °C (ISO 3679)	40
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.96
Type of fatty acid	Special
Silicone content, %	30

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

DRIERS

SYNOLAC® 2700 WD 70 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 2700 WD 70 is : 0.06 % cobalt, 0.09 % zirconium and 0.1 % calcium calculated as metals on solid resin. Depending on the formulation (clear, pigmented, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile. The use of an anti-skinning agent is essential to prevent in-can skinning of the finished product.

SOLUBILITY

SYNOLAC® 2700 WD 70 is soluble in aromatic and aliphatic hydrocarbons, esters and ketones and partially soluble in alcohols.

COMPATIBILITY

SYNOLAC® 2700 WD 70 is compatible with most medium and long oil alkyds and GELKYD® or SUPER GELKYD® thixotropic resins.

REMARKS

The product may present some haziness after storage.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 2700 WD 70 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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