

TECHNICAL DATA SHEET

SYNOLAC® 2700 WD 70

Solventborne Silicone Alkyd

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.

SALES SPECIFICATIONS

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

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Low aromatic white spirit	-
Flash point	40 °C	ISO 3679
Density	0.96 g/ml	ISO 2811
Fatty acid type	Special	-
Silicone content	30 %	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Architectural Coating
 - Specialty Coatings
 - Stains
 - Trim

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

SYNOLAC® 2700 WD 70

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 AND 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 from the shipping date.

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

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