

TECHNICAL DATA SHEET

SYNOLAC® 6883

Solventborne Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 6883 is a long oil isophthalic acid based alkyd. Its very good pigment wetting properties make it suitable for use as a grinding medium and as an additive to improve the build of alkyd enamels.

It can be used as a co-binder for decorative gloss paints and varnishes to improve build and extend the open time of the coating. The isophthalic backbone gives added water and saponification resistance.

SYNOLAC® 6883 can be used in combination with high solid long oil alkyds in matt and satin-finish paints in order to improve the open time, build and in particular to enhance the flexibility of the film, thus avoiding the problems of cracking and peeling upon ageing.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	98 - 100 %	ISO 3251
Viscosity (20°C)	4000 - 5000 mPa.s	ISO 3219
Color	7 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Density (20°C)	1.02 g/ml	
Fatty acid type	Linoleic rich	
Fatty acid content	83 %	

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
 - Primers
 - Specialty Coatings
 - Stains
 - Trim

PERFORMANCE BENEFITS

- Resistance to saponification
- Exterior durability
- Excellent wettability of fillers and pigments

SYNOLAC® 6883

FORMULATION GUIDELINES

DRIERS

SYNOLAC® 6883 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 6883 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® 6883 is completely soluble in aliphatic and aromatic hydrocarbons, esters and ketones.

COMPATIBILITY

SYNOLAC® 6883 is compatible with long and medium oil alkyds, drying oils and varnishes, chlorinated rubber and nitrocellulose. It is partially compatible with stand oils and some short oil alkyds.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 6883 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.

Shelf Life (Months): 6

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