

TECHNICAL DATA SHEET

SYNOLAC® 4097 WD 75

Solventborne Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 4097 WD 75 is a long oil oxidising alkyd designed to formulate a wide range of 2010 VOC compliant paints and varnishes (directive 2004/42/CE).

SYNOLAC® 4097 WD 75 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) | 74 - 76 % | ISO 3251 |
| Reduced viscosity (150 g of SYNOLAC 4097 WD 75 + 30 g of Spirdane D40) (20°C) | 650 - 770 mPa.s | ISO 3219 |
| Color | 7 max Gardner | ISO 4630 |
| Acid value | 8 - 12 mg KOH/g | ISO 2114 |

OTHER CHARACTERISTICS¹

| | CHARACTERISTICS | METHODS |
|---|---------------------------|----------|
| Viscosity (Brookfield LVDV-II+, SC4-34, 5 rpm) (25°C) | 3500 - 6000 mPa.s | ISO 3219 |
| Solvent | Low aromatic white spirit | |
| Flash point | 40 °C | ISO 3679 |
| Density (20°C) | 0.96 g/ml | ISO 2811 |
| Fatty acid type | Linoleic rich | |
| Fatty acid content | 62 % | |

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
 - Trim
- Flooring
 - Floor Polish & Floor Coatings

PERFORMANCE BENEFITS

- Very good drying
- Very good durability
- Good colour retention

SYNOLAC® 4097 WD 75

FORMULATION GUIDELINES

DRIERS

SYNOLAC® 4097 WD 75 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 4097 WD 75 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.

COMPATIBILITY

SYNOLAC® 4097 WD 75 is compatible with most long and medium oil alkyds, drying oils and varnishes, chlorinated rubber and nitrocellulose. It is partially compatible with stand oils and short oil alkyds. SYNOLAC® 4097 WD 75 can be used in conjunction with GELKYD® or SUPER GELKYD® thixotropic alkyds to produce a range of thixotropic decorative coatings.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 4097 WD 75 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 Durability (Months): 6

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790