

SYNOLAC® 755 WD 60

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 755 WD 60 is a medium oil length alkyd resin based on low yellowing drying acids. SYNOLAC® 755 WD 60 is recommended for decorative enamels, general purpose enamels and paints with good colour retention, gloss and good through-drying. The resin is supplied in low aromatic white spirit, thus enabling the manufacture of decorative paints with low environmental impact.

Performance Benefits

- Good gloss
- Good colour retention
- Excellent drying and hardness development
- Good brushability and levelling
- Good outdoor resistance

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Viscosity at 25°C, dPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	7000 - 9000
Colour, Gardner scale (ISO 4630)	5 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)	0.91
Type of fatty acid	Low yellowing drying acids
Fatty Acid content, %	54

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® 755 WD 60 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 755 WD 60 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® 755 WD 60 is soluble in aromatic hydrocarbons, aliphatic hydrocarbons, terpenics, esters, ketones and glycol ethers. It is insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 755 WD 60 is compatible with long and medium oil alkyds, maleics, hydrocarbons resins and drying oils, modified phenolic resins, chlorinated rubber and nitrocellulose. It is incompatible with standoils.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 755 WD 60 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 9 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 "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a green color.