

# SYNOLAC® 162 W 70

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

**Product Application details** SYNOLAC® 162 W 70 is a soya bean long oil alkyd recommended for decorative enamels and paints, white and pale shades and maintenance paints.

## Performance Benefits

- Good initial gloss
- Good gloss retention
- Good drying properties
- Good colour retention
- Good outdoor resistance

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	69 - 71
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 6.6s-1) (ISO 3219)	10500 - 19000
Colour, Gardner scale (ISO 4630)	6 max
Acid value, mg KOH/g (ISO 2114)	10 max

## Other Characteristics<sup>1</sup>

Volatile	White spirit
Flash point, °C (ISO 3679)	38
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.95
Type of fatty acid	Soya bean
Fatty Acid content, %	62

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

<sup>1</sup> 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® 162 W 70 requires metal driers to accelerate the autoxidation process. A suitable combination of driers for use in systems containing SYNOLAC® 162 W 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® 162 W 70 is soluble in aromatic hydrocarbons, aliphatic hydrocarbons, terpenics, esters, ketones and glycol ethers. It is insoluble in alcohols.

### COMPATIBILITY

SYNOLAC® 162 W 70 is compatible with long oil alkyd resins, maleic resins, hydrocarbon resins and drying oils. Its compatibility is limited with standoils, modified phenolic resins, medium oil alkyd resins and chlorinated rubber resins. It is incompatible with melamine/formaldehyde resins and short oil alkyd resins.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Storage & Handling**

SYNOLAC® 162 W 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 9 months from the shipping date

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