

# SYNOLAC® 40 X 60

GENERAL INDUSTRY

ARKEMA COATING RESINS

## Product Application details

SYNOLAC® 40 X 60 is a styrenated short oil alkyd resin modified with dehydrated castor and soya oils. SYNOLAC® 40 X 60 is recommended for very fast air drying spraying finishes, water and mineral oil resistant finishes and primers for crankcases.

## Performance Benefits

- Very fast initial and hard drying
- Good resistance to water and mineral oils

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	1500 - 3000
Colour, Gardner scale (ISO 4630)	6 max
Acid value, mg KOH/g (ISO 2114)	15 max

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

Volatile	Xylene
Flash point, °C (ISO 3679)	25
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.00
Type of fatty acid	Dehydrated castor / soya
Fatty Acid content, %	36
Modification	Styrene

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

The recommended drier level for use on air drying systems is 0.03% cobalt as metal on solids resin. Depending on the formulation (clear, pigmented, thixotropic, 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 antiskinning agent is essential to prevent in-can skinning of the finished product.

### SOLUBILITY

SYNOLAC® 40 X 60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. Its solubility is limited in terpenics. It is insoluble in alcohols.

### COMPATIBILITY

SYNOLAC® 40 X 60 is compatible with hydrocarbons resins, partially compatible with drying oils, maleic resins and modified phenolic resins. It is incompatible with standoils, long and medium oil alkyd resins, melamine/formaldehyde resins and chlorinated rubber resins.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Storage & Handling**

SYNOLAC® 40 X 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.  
Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.

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See SDS for Health & Safety Considerations.

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For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

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