

# SYNOLAC® 5206 X 50

GENERAL INDUSTRY

ARKEMA COATING RESINS

## Product

SYNOLAC® 5206 X 50 is an acrylic modified short oil alkyd resin recommended for very fast air dry industrial coatings.

## Application details

A useful feature of this resin is its very good compatibility with other film formers. It therefore offers the formulator greater choice to customise coating performance.

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	48.5 - 51.5
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	1500 - 2500
Colour, Gardner scale (ISO 4630)	7 max
Acid value, mg KOH/g (ISO 2114)	20 max

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

Volatile	Xylene
Flash point, °C (ISO 3679)	25
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.95
Type of fatty acid	Linoleic rich
Fatty Acid content, %	26

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® 5206 X 50 can be used in combination with unmodified alkyds to achieve a balance of hardness, drying and flexibility. Very fast drying to hard films permit early handling and stacking.

The recommended drier level for use on air drying systems is 0.01-0.03% cobalt as metal on solids resin.

Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of the 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® 5206 X 50 is completely soluble in aromatic hydrocarbons, esters, ketones, glycol ethers, dipentene and pine oil and has a limited solubility in aliphatic hydrocarbons and alcohols.

### COMPATIBILITY

SYNOLAC® 5206 X 50 is completely compatible with amino resins, some styrene and vinyl toluene modified alkyd resins, some medium and short oil length alkyd resins.

It has a limited compatibility with nitrocellulose, some medium oil length alkyd resins, epoxy resin esters and acrylic copolymers.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Storage & Handling**

SYNOLAC® 5206 X 50 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 6 months from the shipping date

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