

## TECHNICAL DATA SHEET

# SYNOLAC® 5206 X 50

*Modified alkyd*

### PRODUCT APPLICATION DETAILS

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

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.

### SALES SPECIFICATIONS

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

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	25 °C	ISO 3679
Density	0.95 g/ml	ISO 2811
Fatty acid type	Linoleic rich	-
Fatty acid content	26 %	-

<sup>1</sup>The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

### MARKETS

#### Coatings & Inks

- Industrial Coating
  - General Industry
  - Protective And Marine Coating

# SYNOLAC® 5206 X 50

## 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.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND 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 from the shipping date.

**Headquarter: Arkema France**  
51, Esplanade du Général de Gaulle  
92800 Puteaux – 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