

## TECHNICAL DATA SHEET

# SYNOLAC® 5201 X 55

*Modified alkyd*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 5201 X 55 is an acrylic modified short oil alkyd resin recommended for fast air drying and low bake industrial coatings. Application and overcoating properties are exceptionally good for a resin of this type.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	53.5 - 56.5 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 13.2s-1) (25°C)	1400 - 1800 mPa.s	ISO 3219
Color	7 max Gardner	ISO 4630
Acid value	18 max mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	25 °C	ISO 3679
Density	0.99 g/ml	ISO 2811
Fatty acid type	fatty acids linoleic rich	-
Fatty acid content	25 %	-
Typical weight per epoxide	Acrylic monomers	-
Modification	Acrylic monomers	-

<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
  - Automotive - Refinish
  - General Industry
  - Protective And Marine Coating

### PERFORMANCE BENEFITS

- Good gloss
- Good colour
- Good colour retention
- Good adhesion
- Good flexibility

# SYNOLAC® 5201 X 55

## FORMULATION GUIDELINES

### **DRIERS**

For SYNOLAC® 5201 X 55, a suitable recommendation for drier modification is 0.01-0.03% cobalt as metal on solid 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® 5201 X 55 is completely soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and has a limited solubility in aliphatic hydrocarbons and alcohols.

### **COMPATIBILITY**

SYNOLAC® 5201 X 55 is completely compatible with some styrenated alkyd resins, amino resins, hard resins, short oil alkyd resins and nitrocellulose.

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

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 5201 X 55 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.

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