

## TECHNICAL DATA SHEET

# SYNOLAC® 5237 S 50

*Modified alkyd*

### PRODUCT APPLICATION DETAILS

SYNOLAC® 5237 S 50 is a linoleic alkyd resin modified with mixed monomers. SYNOLAC® 5237 S 50 is suitable for fast air dry and force dry industrial paints. Coatings based on SYNOLAC® 5237 S 50 touch dry in 10 minutes to give high gloss, flexible and durable films. Monomer choice yields exceptional weathering properties.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	48.5 - 51.5 %	ISO 3251
Viscosity (Brookfield SC4-25/13R, 6.6s-1) (25°C)	1500 - 2500 mPa.s	ISO 3219
Color	5 max Gardner	ISO 4630
Acid value	8 - 12 mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Aliphatic hydrocarbon solvent 13/17 / Xylene (38:12)	-
Flash point	29 °C	ISO 3679
Density	0.91 g/ml	ISO 2811
Fatty acid type	Linoleic rich	-
Fatty acid content	34 %	-
Modification	Acrylic	-

<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

# SYNOLAC® 5237 S 50

## FORMULATION GUIDELINES

### **DRIERS**

Coatings based on SYNOLAC® 5237 S 50 should be modified with driers, and a suitable recommendation is 0.03 - 0.05% cobalt, 0.10 - 0.20 % zirconium and 0.05 - 0.10 % calcium, all calculated as metal on solid 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® 5237 S 50 has a complete solubility in aromatic hydrocarbons, esters, ketones and glycol ethers but limited in alcohols.

### **COMPATIBILITY**

SYNOLAC® 5237 S 50 has a complete compatibility with most hard resins, ester type plasticizers and some short and medium oil length alkyd resins.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 5237 S 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.

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