

TECHNICAL DATA SHEET

SYNOLAC® 27X-55

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 27X-55 is a short oil alkyd suitable for use in industrial air drying and stoving finishes.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	53 - 57 %	ISO 3251
Viscosity (Brookfield viscometer) (at 25°C)	50 -70 P	
Color	8 max Gardner	ISO 4630
Acid value	25 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Volatile	Xylene	
Density (at 20°C)	1 g/ml	ISO 2811
Fatty acid type	DCO	
Fatty acid content	36 %	

Acid value and/or Hydroxyl value quoted relative to solid resin

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

MARKETS & APPLICATIONS

Coatings & Inks

- Industrial Coating
 - General Industry
 - Protective And Marine Coating
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

- Rapid drying
- Excellent color retention
- Good solvent resistance
- Good petrol resistance

SYNOLAC® 27X-55

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 27X-55 is recommended for use in industrial air drying primers and finishes. The good solvent and petrol resistance of coatings based on this resin make it suitable for use in agricultural paints, chassis blacks, machinery enamels, caravan paints and hammer finishes. In stoving systems, the addition of 5-10% of an amino resin is recommended.

COMPATIBILITY:

SYNOLAC® 27X-55 is compatible with most short and medium oil length alkyds, amino resins and nitrocellulose. It is incompatible with long oil alkyds and drying oils.

SOLUBILITY:

SYNOLAC® 27X-55 is soluble in aromatic hydrocarbons, ketones and esters.

DRIERS:

For air drying gloss finishes, a suitable lead-free combination of driers for use with SYNOLAC® 27X-55 is 0.05% cobalt, 0.15% zirconium and 0.2% calcium calculated as metals on solid resin. Slight variations in the zirconium and calcium drier levels may be appropriate for particular paint systems.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 27X-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 date of manufacturing.

Shelf Life (Months): 12

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