

SYNOLAC[®] 27X-55

ARKEMA COATING RESINS

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

Performance

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

Polymer Type

- Solvent borne Alkyd

Sales Specifications

% Solid Content (at 150°C, 1gm, 1hr,) (ISO 3251)	53 - 57
Viscosity in Poise at 25°C, Brookfield Viscometer	50 - 70
Colour, Gardner scale (ISO 4630)	8 Max
Acid value, mg KOH/g (ISO 2114)	15 - 25

Other Characteristics¹

Volatile	Xylene
Oil Length	36
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.00
Oil or Fatty Acid Type	Dehydrated Castor

Note: Acid value and oil length quoted relative to solid resin

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

RECOMMENDATIONS FOR USE

Formulation Guidelines

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.

SYNOLAC[®]

Product Safety

Please refer to the corresponding Safety Data Sheet

Storage & 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. Under the above mentioned storage conditions the shelf life of the resin will be 12 months from the date of manufacturing.

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