

SYNOLAC[®]79S-55

ARKEMA COATING RESINS

Product Application details

SYNOLAC[®] 79S-55 is a medium oil chain stopped alkyd resin based on soyabean fatty acid. SYNOLAC[®] 79S-55 is recommended for use in general purpose high quality air drying and force drying industrial finishes.

Performance

- Excellent gloss and good flow
- Excellent gloss retention
- Non yellowing property
- Excellent color retention

Polymer Type

- Solvent borne Alkyd

Sales Specifications

% Solid Content (at 150°C, 1gm, 1hr.), (ISO 3251)	53 - 56
Viscosity in Poise at 25°C, Brookfield Viscometer	60 - 80
Colour, Gardner scale (ISO 4630)	Max 6
Acid value, mg KOH/g (ISO 2114)	5 - 10

Other Characteristics¹

Volatile	MTO
Oil Length	49
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.06
Oil or Fatty Acid Type	Soyabean Fatty Acid

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

This resin is used in high quality non-yellowing synthetic enamels.

SOLUBILITY:

SYNOLAC 79S-55 is soluble in aliphatic and aromatic hydrocarbons ketones and esters. Limited solubility in alcohols.

COMPATIBILITY:

SYNOLAC 79S -55 is compatible with long and medium oil alkyds, drying oils and varnishes, Chlorinated rubber and Urethane alkyd. Partially compatible with short oil alkyd.

DRIERS:

For Air Drying applications recommended drier combination is as Follows; 0.05% Cobalt, 0.1% Calcium and 0.5% Lead calculated on metal based on resin solids. In lead free systems, 0.2 - 0.6% of Zirconium can be used as an alternative to Lead.

Typical Drying time using above combination are as follows:

S.D. - 1 – 1.5 hrs.
T. D. - 4 – 5 hrs.
H. D. - O/N.

SYNOLAC[®]

Product Safety

Please refer to the corresponding Safety Data Sheet

Storage & Handling

SYNOLAC® 79S-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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