

# SYNOLAC<sup>®</sup> 79S-55

ARKEMA COATING RESINS

**Product Application details** SYNOLAC<sup>®</sup> 79S-55 is a medium oil chain stopped alkyd resin based on soyabean fatty acid. SYNOLAC<sup>®</sup> 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

<b>Sales Specifications</b>	% 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

<b>Other Characteristics<sup>1</sup></b>	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

<sup>1</sup> 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.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet

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**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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**September 2016**

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