

# SYNOLAC® 655W-55

ARKEMA COATING RESINS

## Product Application details

SYNOLAC® 655W-55 is a urethane alkyd designed for use in clear and pigmented finishes as the sole medium or in combination with long oil alkyds. Rapid drying and excellent gloss retention, together with good abrasion resistance and colour retention are achieved with paints incorporating even minor proportion of SYNOLAC® 655W-55.

## Performance

- Excellent gloss retention
- Excellent drying rate
- Good abrasion resistance
- Good color retention

## 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	14 - 20
Colour, Gardner scale (ISO 4630)	6 Max
Acid value, mg KOH/g (ISO 2114)	3 Max

## Other Characteristics<sup>1</sup>

Volatile	MTO
Oil Length	61
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	0.93
Oil or Fatty Acid Type	Linoleic

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

## Formulation Guidelines

### RECOMMENDATIONS FOR USE

SYNOLAC® 655W-55 can be used in decorative gloss or eggshell finishes and should comprise between 20 – 50 per cent of the media, the balance being a suitable long oil alkyd. In thixotropic decorative gloss and eggshell finishes, similar percentage can be used. Abrasion resistant and rapid drying finishes are obtained with a durability, pigment wetting and non-chalking characteristics of the alkyd resin being retained. In floor varnishes and related finishes, SYNOLAC 655W-55 is recommended for use as the sole medium

### SOLUBILITY:

SYNOLAC® 655W-55 is soluble in aromatic and aliphatic hydrocarbons, ketones and esters.

### COMPATIBILITY:

SYNOLAC® 655W-55 is compatible with all long oil alkyds and thixotropic alkyd resins.

### DRIERS:

A suitable combination of driers for use with SYNOLAC® 655W-55 is 0.05% cobalt, 0.15% zirconium and 0.2% calcium calculated as metals on solid resin. Slight variation in the zirconium and calcium drier levels may be appropriate for particular paint systems.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet

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**Storage & Handling**

SYNOLAC® 655W-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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