

SYNOLAC® 947 X 65

GENERAL INDUSTRY

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 947 X 65 is a medium non yellowing drying oil alkyd resin. SYNOLAC® 947 X 65 is recommended for fast air and forced drying industrial paints, finishing paints for carbodies and fast drying synthetic enamels.

Performance Benefits

- Good through drying
- Good gloss retention on outdoor exposure
- Good colour retention
- Excellent stability on storage even with reactive pigments

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	64 - 66
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	2000 - 3500
Colour, Gardner scale (ISO 4630)	7 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Xylene
Flash point, °C (ISO 3679)	25
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.01
Type of fatty acid	Drying non yellowing
Fatty Acid content, %	47

Note: Acid value and/or Hydroxyl value 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

Formulation Guidelines

DRIERS

A suitable combination of driers for use with SYNOLAC® 947 X 65 based coatings is 0.04-0.06% cobalt, 0.15-0.25% zirconium and 0.10-0.20% calcium, calculated as metals on total solid resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

The use of antiskinning agent is essential to prevent in-can skinning of the finished product.

SOLUBILITY

SYNOLAC® 947 X 65 is soluble in aromatic hydrocarbons, esters, ketones, glycol ethers and terpenics, partially soluble in aliphatic hydrocarbons and insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 947 X 65 is compatible with medium oil alkyd resins, maleic resins, modified phenolic resins, chlorinated rubber resins, hydrocarbon resins and drying oils. It is partially compatible with long oil alkyd resins and incompatible with standoils.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 947 X 65 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 9 months from the shipping date.

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See SDS for Health & Safety Considerations.

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For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

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