

SYNOLAC® 7503 X 60

GENERAL INDUSTRY

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 7503 X 60 is a short oil length alkyd on dehydrated castor oil modified with phenolic, specially designed for anticorrosive primer industrial with excellent mechanicals properties.

SYNOLAC® 7503 X 60 is recommended for quick air drying primers, surfaces and finishes, petrol resistant enamels, agricultural machinery and hammer finishes.

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	58 - 62
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Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	2500 - 4500
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Colour, Gardner scale (ISO 4630)	10 max
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Acid value, mg KOH/g (ISO 2114)	17 max
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Other Characteristics¹

Volatile	Xylene
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Flash point, °C (ISO 3679)	25
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Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.02
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Type of fatty acid	Dehydrated castor oil
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Fatty Acid content, %	31
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Modification	Phenolic
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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 drier for use and air drying with SYNOLAC® 7503 X 60 is 0.03% cobalt calculated as metal on solid resin with regard to stoved, the ratio is 0.01-0.02% cobalt calculated as metal on solid resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of the drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

SOLUBILITY

SYNOLAC® 7503 X 60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and shows a limited solubility in aliphatic hydrocarbons and alcohols.

COMPATIBILITY

SYNOLAC® 7503 X 60 is compatible with most short oil alkyd resins, amino resins and ester type plasticisers. It is partially compatible with medium and long oil alkyd resins, vinyl modified alkyd resins, epoxy resin esters, vegetable oils, oleoresinous varnishes, nitrocellulose and cyclised rubber resins.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 7503 X 60 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.

In the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date

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