

SYNOLAC® 7390 X 60

INDUSTRIAL WOOD

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 7390 X 60 is a short alkyd resin based on saturated fatty acids. SYNOLAC® 7390 X 60 is specially designed for clear and pigmented high gloss polyurethane wood coatings. SYNOLAC® 7390 X 60 shows outstanding compromise between gloss and drying, as well as an excellent yellowing resistance in systems crosslinked with aliphatic polyisocyanates.

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	58 - 62
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219)	1000 - 3000
Colour, Gardner scale (ISO 4630)	2 max
Acid value, mg KOH/g (ISO 2114)	12 max

Other Characteristics¹

Volatile	Xylene
Flash point, °C (ISO 3679)	24
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.98
Type of fatty acid	Saturated fatty acids
Fatty Acid content, %	20
Hydroxyl Content, %	4.4

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

SOLUBILITY

SYNOLAC® 7390 X 60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and has a limited solubility in aliphatic hydrocarbons and alcohols.

The reaction ratio is calculated from the respective equivalent weight or hydroxyl and isocyanate content of the reactants. The relationship is:

$$\text{Hydroxyl equivalent weight} = \frac{17 \times 100}{\% \text{ OH}}$$

$$\text{Isocyanate equivalent weight} = \frac{42 \times 100}{\% \text{ NCO}}$$

COMPATIBILITY

SYNOLAC® 7390 X 60 is compatible with most short oil alkyds, nitro-cellulose, phthalate plasticizers, maleic resins, urea and melamine resins and polyisocyanates and is partially compatible with cellulose acetate butyrate.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 7390 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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The logo for ARKEMA, with the word in a bold, sans-serif font. The 'A', 'R', 'K', 'E', and 'M' are in dark blue, while the 'A' at the end is in green.