

SYNOLAC® 385 X 60

GENERAL INDUSTRY

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 385 X 60 is a fast drying, rosin/phenolic modified, short-oil alkyd for industrial primers. SYNOLAC® 385 X 60 shows a fast initial drying, an excellent through drying and quickly achieves a good water resistance. SYNOLAC® 385 X 60 is particularly suited for the manufacture of high quality, fast drying industrial primer systems with excellent recoatability, excellent adhesion and anticorrosive properties. SYNOLAC® 385 X 60 also finds application in fast drying, coloured machinery paints for interior use.

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Reduced Viscosity at 20°C, s (4mm, 50% in Xylene) (DIN 53 211)	170 - 190
Iodine Colour index, (DIN EN 1557)	30 max
Acid value, mg KOH/g (ISO 2114)	7 - 12

Other Characteristics¹

Volatile	Xylene
Flash point, °C (ISO 3679)	25
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.0
Type of fatty acid	Linoleic rich / wood oil
Fatty Acid content, %	38
Rosin/Phenolic content, %	20

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 combination of 0.02% - 0.04% cobalt and 0.3% - 0.8% zirconium (both calculated as metals on solid resin) is recommended. In finishes 0.02% - 0.03% calcium (on solid resin) should be added to the mill base. 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® 385 X 60 is completely soluble in aromatic hydrocarbons, esters, glycol ethers, glycol ether esters, ketones. It is partially soluble in white spirit and limited in alcohols.

COMPATIBILITY

SYNOLAC® 385 X 60 is completely compatible with many short- to medium-oil alkyds, like SYNOLAC® 271 X 60, SYNOLAC® 272 X 60, nitrocellulose, maleic resins, hydrocarbon resins. It is partially compatible with epoxy esters, polyvinylchloride copolymers and incompatible with styrenated alkyds and stand oils.

SYNOLAC® 385 X 60 shows a good wetting of all commonly used inorganic and most organic pigments and extenders. Zinc phosphates may be used, while highly basic pigments, like red lead, are incompatible with SYNOLAC® 385 X 60.

SYNOLAC®

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 385 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.