

SYNOLAC® 1133 X 60

GENERAL INDUSTRY

ARKEMA COATING RESINS

Product

SYNOLAC® 1133 X 60 is a short oil length alkyd resin based on fish/tung oil modified with phenolic and rosin.

Application details

SYNOLAC® 1133 X 60 is recommended for fast air drying anticorrosive industrial primers, fillers and putties and primers and undercoats recoatables with nitrocellulose.

Performance Benefits

- Very fast initial and hard air drying
- Excellent recoatability
- Good adherence to metals
- Very good anticorrosive protection
- Resistance to humidity

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 6.6s-1) (ISO 3219)	4500 - 7500
Colour, Gardner scale (ISO 4630)	12 max
Acid value, mg KOH/g (ISO 2114)	20 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	Fish / Tung
Fatty Acid content, %	33
Modification	Phenolic / Rosin

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 on air drying systems with SYNOLAC® 1133 X 60 is 0.05% cobalt, 0.15% zirconium and 0.15% manganese calculated as metal on 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® 1133 X 60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. It shows limited solubility in terpenic solvents. It is insoluble in alcohols.

COMPATIBILITY

SYNOLAC® 1133 X 60 is compatible with urea/formaldehyde, benzoguanamine/formaldehyde and nitrocellulose resins. It is partially compatible with medium oil alkyd resins and melamine/formaldehyde resins and incompatible with drying oils.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 1133 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.
Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.

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See SDS for Health & Safety Considerations.

The products described in the document are not Medical grades designated for Medical Device applications.

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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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