

SYNOLAC® N33X

SHORT OIL ALKYD

ARKEMA COATING RESINS

Product Application details

SYNOLAC® N33X is short oil, non-drying resin based on saturated fatty acids. It is well fitted as a backbone resin in acid curing, polyurethane and nitrocellulose finishes where excellent colour and colour stability is desired. Very good wet heat resistance can be attained when formulated with relevant amino resins.

Performance Benefits

- Excellent light color
- Fast drying time
- Good hardness
- Good sanding properties
- Good wet heat resistance
- Non-yellowing

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content % (ISO 3251)	68 - 72
Viscosity at 25°C, Gardner Holdt	Z6Z7 – Z7
Colour, Gardner scale (ASTM D1544)	1 max
Acid value, mg KOH/g (ISO 2114)	8 - 18

Other Characteristics¹

Volatile	Xylene
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.06
Type of fatty acid	Saturated Fatty Acid
Fatty Acid content, %	33
OH Value, % approx.	3.03

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

RECOMMENDATIONS FOR USE

SYNOLAC® N33X is recommended for furniture wood coating based on acid curing, 2-pack polyurethane or nitro-cellulose system, With it excellent light colour, is particularly suited for clear and light colour topcoats.

Formulation Guidelines

SOLUBILITY

Aromatic hydrocarbon	Complete
Ester	Complete
Ketone	Complete
Glycol Ether	Complete
Alcohol	Partial
Aliphatic Hydrocarbon	Not Soluble

SYNOLAC®

COMPATIBILITY

Urea Resins	Very Good
Isocyanate Resins	Very Good
Short Oil Alkyd	Good
Melamine Resins	Fair
NC/CAB	Good
Polyester Resins	Very Good
Acrylic Resins	Fair
Epoxy Resins	Good

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® N33X should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.
In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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