

SYNOLAC[®] N32X

SHORT OIL ALKYD

ARKEMA COATING RESINS

Product

Application details

SYNOLAC[®] N32X 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
- Good wet heat resistance
- Non-yellowing

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content % (ISO 3251)	68 - 72
Viscosity at 25°C, Gardner Holdt	(Z5-) – (Z5+)
Colour, Gardner scale (ASTM D1544)	1 max
Acid value, mg KOH/g (ISO 2114)	4 - 10

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, %	32
OH Value, % approx.	2.88

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[®] N32X is recommended for furniture wood coatings based on acid curing, 2-pack polyurethane or nitro-cellulose systems. With its excellent light colour, it is particularly suitable for clear and light colour topcoats.

SOLUBILITY

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

Formulation Guidelines

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® N32X 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.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.

Arkema has implemented a Medical Policy regarding the use of Arkema products in medical devices applications that are in contact with the body or circulating bodily fluids (<http://www.arkema.com/en/social-responsibility/responsible-product-management/medical-device-policy/index.html>) Arkema has designated medical grades to be used for such medical device applications. Products that have not been designated as medical grades are not authorized by Arkema for use in medical device applications that are in contact with the body or circulating bodily fluids. In addition, Arkema strictly prohibits the use of any Arkema products in medical device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Arkema trademarks and the Arkema name shall not be used in conjunction with customers' medical devices, including without limitation, permanent or temporary implantable devices, and customers shall not represent to anyone else, that Arkema allows, endorses or permits the use of Arkema products in such medical devices.

It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any medical grade Arkema products, in order to ensure that the final end-use product is safe for its end use; performs or functions as intended; and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies). It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any postmarket surveillance obligations. Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

Arkema Coating Resins Malaysia Sdn Bhd

PL0 491, Jalan Keluli, Pasir Gudang Industrial Estate,

81700 Pasir Gudang, Johor, Malaysia.

arkema.com - arkemacoatingresins.com

The logo for ARKEMA, featuring the word "ARKEMA" in a bold, sans-serif font. The letters "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a light green color.