

SYNOLAC® PT30X

MODIFIED ALKYD

ARKEMA COATING RESINS

Product

Application details

SYNOLAC® PT30X is a short oil, phenolic modified, drying alkyd designed for industrials air-drying and stoving primers. SYNOLAC® PT30X dries rapidly to hard, but flexible films with excellent adhesion and corrosion resistance. Under normal conditions, there are no critical periods concerning lifting from strong solvents.

Performance Benefits

- Excellent adhesion
- Good corrosion resistance
- Good hardness

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	58 - 62
Viscosity at 25°C, Gardner Holdt	Z – Z1+
Colour, Gardner scale (ASTM D1544)	10 max
Acid value, mg KOH/g (ISO 2114)	10 -16

Other Characteristics¹

Volatile	Xylene
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.01
OH Value, mg KOH/g	95
Type of fatty acid	Tall oil fatty acid
Fatty Acid content, %	30
Modification	Phenolic

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

Due to SYNOLAC® PT30X's excellent fast drying, good adhesion to various metal substrates and good compatibility with various topcoats, it is strongly recommended for rapid drying universal primers.

SYNOLAC® PT30X is also recommended for use in primers for agricultural and industrial equipments. When formulating paints using SYNOLAC® PT30X, stability with basic pigments and metal drier need to be thoroughly evaluated.

Formulation Guidelines

SOLUBILITY

Aromatic hydrocarbon	Complete
Ester	Complete
Ketone	Complete
Glycol Ether	Complete
Alcohol	Partial
Aliphatic Hydrocarbon	Partial

COMPATIBILITY

Urea Resins	Good
Short Oil Alkyd	Good
Melamine Resins	Good
Isocyanate Resins	Fair
Polyester Resins	Fair
Acrylic Resins	Fair
Epoxy Resins	Fair

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® PT30X 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.
Under 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, EXPRESS 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.

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

Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications. Arkema has designated Medical grades to be used for Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications. In addition, except for limited cases as determined by the Medical Device Policy, 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.

For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

Arkema Coating Resins Malaysia Sdn Bhd

PL0 491, Jalan Keluli, Pasir Gudang Industrial Estate,

81700 Pasir Gudang, Johor, Malaysia.

arkema.com - arkemacoatingresins.com

ARKEMA
INNOVATIVE CHEMISTRY