

# 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 Characteristics<sup>1</sup>

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

<sup>1</sup> 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

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### COMPATIBILITY

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

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### **Product Safety**

Please refer to the corresponding Safety Data Sheet.

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### **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.

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