

# SYNOLAC® P20X70

(E4305, PROVISIONAL)

SHORT OIL ALKYD

ARKEMA COATING RESINS

## Product Application details

SYNOLAC® P20X70 is a non-drying short oil alkyd resin mainly recommended to be used as plasticizer in nitro-cellulose lacquers. In conjunction with proper amino resins, also fitted as a backbone resin for acid curing lacquers with good pot-life, good gloss and hardness. With proper formulation, it is also can be used as stoving enamel.

## Performance Benefits

- Good plasticizing properties
- Good gloss
- Good hardness
- Good sanding properties

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

Solid Content % (ISO 3251)	69 - 71
Viscosity at 25°C, Gardner Holdt	Z4 – Z5+ (60% NV)
Colour, Gardner scale (ASTM D1544)	5 max
Acid value, mg KOH/g (ISO 2114)	4 - 9

## Other Characteristics<sup>1</sup>

Volatile	Xylene
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.06
Type of fatty acid	Vegetable Oil
Fatty Acid content, %	33
OH Value, % approx.	4.9

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

## RECOMMENDATIONS FOR USE

SYNOLAC® P20X70 is recommended for furniture wood coating based on nitro-cellulose and acid curing system. It give good plasticizing in nitro-cellulose lacquers and give good hardness in acid curing when formulated together with amino resins.

## Formulation Guidelines

### SOLUBILITY

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

### COMPATIBILITY

Urea Resins	Very Good
Isocyanate Resins	Good
Short Oil Alkyd	Very Good
Melamine Resins	Good
NC	Good

CAB	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® P20X70 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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