

TECHNICAL DATA SHEET

SYNOLAC® P20X70

Short Oil Alkyd

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.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	69 - 71	ISO 3251
Viscosity (25°C at 60% NV, Gardner)	Z4 - (Z5+)	Gardner-Holdt
Color (Gardner)	Max. 5	ASTM D-1544
Acid value (mg KOH/g)	4 - 9	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.06	-
Fatty acid type	Vegetable oil	-
Fatty acid content (%)	33	-
Hydroxyl content (%)	4.9	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Industrial Coating
 - General Industry
 - Wood Furniture
 - Industrial Wood Finishes

PERFORMANCE BENEFITS

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

SYNOLAC® P20X70

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

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

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

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND 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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