

AZALCHID V34 - 60 X

TYPE

Styrene-acrylic modified alkyd resin
Oil content: approx. 34% (as triglycerides)

DELIVERY FORM

60% in xylene

FEATURES

Very fast drying
High gloss and adhesion
Forced drying applications

SPECIFICATION

Technical characteristics

Property	Unit	Value	Method
Appearance	-	clear viscous liquid	visual
Solid content	%	59 - 61	SR EN ISO 3251
Acid Value	mg KOH/g solid resin	Max. 10	SR EN ISO 2114
Gardner color, delivery form	-	Max. 6	SE EN ISO 4630
Brookfield viscosity (23°C, delivery form)	mPa.s	500 - 1100	SR EN ISO 2555

Additional Information

Density at 20°C	g/cm ³	0.975 - 0.985	SR EN ISO 2811-1
Flash point (closed cup)	°C	30	SR EN ISO 3679

APPLICATIONS

Azalchid V 34 is recommended for industrial primers and enamels for air or forced drying applications. Applied coatings show fast initial and trough drying speed, high gloss, good re-coatability and moisture resistance. Typical applications include anticorrosive primers, spray fillers, enamels for machinery parts with good adhesion and flexibility on steel and non-ferrous substrates. For forced-drying applications a temperature of 60-80°C is required.

SOLUBILITY

AZALCHID V 34 has an extended solubility in aromatic solvents including esters or ketones.
Xylene, toluene, butyl acetate, methyl isobutyl ketone, methoxy propyl acetate: complete
Solvesso 100 and aliphatic alcohols: limited

COMPATIBILITY

Azalchid V34 can be used as sole binder or in combination with vinyl and acryl-modified alkyd resins and short oil alkyds diluted in aromatic solvents. Testing of compatibility in advance is recommended.

PROCESSING

For air-drying systems, recommended ratio of drying agents used as metals to 100% resin: 0.02-0.04% Co, 0.1-0.3% Zr and 0.10-0.15% Ca.

For forced drying applications over 60°C, formulations free of driers or with low cobalt levels ratio 0.01-0.02% can be achieved.

STORAGE

At temperature below 25 °C the product is stable at least 6 months without modification of viscosity or film properties.

SAFETY AND ECOLOGY

Flammable product. Please refer to safety data sheet (MSDS) and consult all information for handling labeling, transport, storage, disposal or ecology procedures.

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