

AZALCHID E42 - 60X

TYPE

Epoxyester based on dehydrated castor oil fatty acids (approx. 42% as triglycerides).

DELIVERY FORM

60% in xylene

FEATURES

Excellent chemical resistance
Quick drying
Very good adhesion
Good flexibility and color retention

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 unit	Max. 4	SR EN ISO 2114
Gardner color, 50% in xylene	-	Max. 4	SE EN ISO 4630
Flow time Φ 4mm DIN cup(20 \pm 0.5°C, 50% in xylene)	seconds	200 - 280	SR EN ISO 2431 PSL-001
Brookfield viscosity, 23°C	mPa	3000 - 4500	SR EN ISO 2555

Additional Information

Density at 20°C	g/cm ³	0.98 – 1.01	SR EN ISO 2811-1
Flash point (closed cup)	°C	29	SR EN ISO 3679

APPLICATIONS

Azalchid E42 - 60X is recommended for air-drying primers and paints or in combination with amino resins for stoving finishes. Air-drying films show quick drying time, very good adhesion including non-ferrous metals and excellent chemical resistance to water and alkali. Stoving finishes with high hardness, impact resistance, gloss and color retention can be achieved in combination with amino resins in the ratio of 15-20% at temperatures of 140-160°C for a stoving cycle time of 30 minutes. Aromatic solvents with high boiling point can be used in formulations. Coatings are mainly applied by spraying or dipping.

SOLUBILITY

Azalchid E42 - 60X has an extended solubility in solvents based on aromatic hydrocarbons, ether-glycols, esters and ketones and limited solubility in ethanol, butanol or white spirit.

COMPATIBILITY

Azalchid E42 - 60X can be used in combination with melamine and benzoguanamine resins for stoving finishes. It is recommended to check the compatibility level with amino resins in advance.

DRIERS

In air-drying systems recommended siccative levels are 0.02-0.05% cobalt and 0.1-0.3% calcium based on 100% solid resin. Zirconium driers may be co-employed by checking in advance hardness development.

STORAGE

At temperature below 30 °C the product is stable at least 12 months without modification of viscosity or film properties.

SAFETY AND ECOLOGY

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

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