

AZALCHID SU57 - D40

TYPE

Oxidative drying urethane-alkyd resin, modified with aliphatic isocyanate, based on vegetable oil. The oil content: approx. 57% (as triglycerides)

DELIVERY FORM

60% solution in D40

FEATURES

Fast drying.
High film hardness development.
Air drying or forced stoving primers and enamels.
Very good gloss and color retention.
Wood finishes and flooring.

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 D40 | - | Max. 7 | SE EN ISO 4630 |
| Flow time Φ 4mm DIN cup(20 \pm 0.5°C, 50% in D40) | seconds | 90 - 130 | SR EN ISO 2431 PSL-001 |
| Brookfield viscosity, 23°C | mPa * sec | 4000 - 7000 | SR EN ISO 2555 |

Additional information

| | | | |
|--------------------------|-------------------|------|------------------|
| Density at 20°C | g/cm ³ | 0.93 | SR EN ISO 2811-1 |
| Flash point (closed cup) | °C | 40 | SR EN ISO 3679 |

Applications

The coatings based on Azalchid SU57-60D40 are fast drying, with high abrasion resistance, improved chemicals and water resistance. The resin is recommended for wood finishes and flooring.

Solubility

It is soluble in aliphatic and aromatic hydrocarbons esters and ketones. Limited soluble in glycol esters and higher alcohols.

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Compatibility

It may be combined with other alkyd resins (medium-oil and long-oil) to improve drying and gloss of decorative coatings.

Driers

The recommended ratio of driers as metals (calculated to 100% resin):

0.10-0.15% Co

0.55-0.65% Zr

0.20-0.30% Ca.

Storage

Store in well-sealed packaging, in sheltered, dry and well-ventilated storage, protected from direct sunlight, at temperatures no higher than 30°C. Storage shelf life – 6 months from date of production.

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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