

IZELKYD SO 35X70

PRODUCT DESCRIPTION

Solvent based, short oil alkyd resin
High yellowing resistance
High colour durability and gloss retention

COMPATIBILITY

| | |
|------------------------|--------------|
| Long oil alkyd resins | Incompatible |
| Short oil alkyd resins | Compatible |
| Rapid alkyd resins | Compatible |
| Nitro cellulose | Compatible |

APPLICATION

Furniture PU
Industrial paints and varnishes
Stoving enamels
Furniture varnish
Wood

STORAGE & SHELF LIFE

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5-30 °C. Exposure to direct sunlight should be avoided. The shelf life of the resin under the mentioned storage conditions is 1 year.

DELIVERY FORM

IBC - 1000 kg
Barrel - 200 kg
Bulk

MATERIAL SAFETY

SDS for this product is available on request.

TECHNICAL SPECIFICATIONS

| Property | Value | Unit | Test Method |
|--------------------------------|------------------------|--------------------|----------------------------|
| Modification | Specific | - | - |
| Type of oil | Coconut oil fatty acid | - | - |
| Oil percentage | 35 | % | - |
| Solvent type | Xylene | - | - |
| Solid content | 69-71 | % | TS EN ISO 3251 |
| Viscosity (Gardner 25 °C) | Z4-Z6 / 93-217,1 | Gardner/sec | ASTM D 1545-13 |
| Viscosity (60%, Gardner 25 °C) | X-Z / 18,9-33,3 | Gardner/sec | ASTM D 1545-13 |
| Acid value | Max 15 | mg KOH/g | TS 2366 EN ISO 2114 |
| Density (20 °C) | 1,04-1,07 | gr/cm ³ | TS EN ISO 2811-1 |
| OH value | 3,85 | % | AT %100 SOLID (CALCULATED) |
| Colour (%50 Solid) | Max 4 | Gardner | TS EN ISO 4630 |

SOLUBILITY

| | |
|--------------|-----------|
| Acetone | Soluble |
| White spirit | Insoluble |
| Xylene | Soluble |
| Toluene | Soluble |
| Terebentine | Insoluble |

The amount of polyisocyanate used to 100 g of alkyd resin (100% solid)

$$= \frac{42 \times 100 \times OH \%}{17 \times NCO \%} \times \frac{NCO}{OH}$$

General suggestion is NCO/OH ratio should be equal to 1.
But; If the product has to be harder and has more resistance for chemicals; NCO/OH>1
If the product has to be flexible has good adhesion and weatherability; NCO/OH<1

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