

**ATAKYD SO 30T70**
**PRODUCT DESCRIPTION**

Solvent based, short oil alkyd resin

High yellowing resistance

High colour durability and gloss retention

**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.

**COMPATIBILITY**

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

**DELIVERY FORM**

IBC - 1000 kg
Barrel - 200 kg
Bulk

**APPLICATION**

Furniture PU  
 Industrial paints and varnishes  
 Stoving enamels  
 Furniture varnish  
 Wood

**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	30	%	-
Solvent type	Toluene	-	-
Solid content	69-71	%	TS EN ISO 3251
Viscosity (Gardner 25 °C)	Z3-Z4 / 67,9-93	Gardner/sec	ASTM D 1545-13
Viscosity (60%, Gardner 25 °C)	U-W / 9,2-15,7	Gardner/sec	ASTM D 1545-13
Acid value	Max 10	mg KOH/g	TS 2366 EN ISO 2114
Density (20 °C)	0,95-0,99	gr/cm <sup>3</sup>	TS EN ISO 2811-1
Colour (%50 Solid)	Max 3	Gardner	TS EN ISO 4630

**SOLUBILITY**

Acetone	Insoluble
White spirit	Soluble
Xylene	Soluble
Toluene	Insoluble
Terebentine	

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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