![ATAYAĞ A.Ş. logo]

TECHNICAL DATA SHEET

SYNTHETIC RESINS - PAINT AND VARNISH / Solvent Based

2K SHORT OIL ALKYD RESIN

ATAKYD SO 36X55

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 ºC 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	Vegetable oil	-	-
Oil percentage	36	%	-
Solvent type	Xylene	-	-
Solid content	54-56	%	TS EN ISO 3251
Viscosity (Gardner 25 °C)	Z2-Z4 / 53,1-93	Gardner/sec	ASTM D 1545-13
Acid value	Max 11	mg KOH/g	TS 2366 EN ISO 2114
Density (20 °C)	0,92-0,96	gr/cm^3	TS EN ISO 2811-1
OH value	3	%	AT %100 SOLID (CALCULATED)
Colour (%50 Solid)	Max 5	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