

BALKYD 590 SU – 60 WS



Oxidative drying urethane-alkyd resin, modified with an aromatic isocyanate, based on vegetable oil

Supply form:	60% solution in white spirit. Balkyd 590 SU-60 WS contains NCO free <0,1%.
Use:	For production of one-component polyurethane universal finishes for wooden and metal surfaces.
Classification:	Meets the requirements of EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance: (visually)	Homogenous clear liquid
Gardner colour of a 50% solution in white spirit: (BNS ISO 4630)	max 6
Non-volatile content, 125°C/1h: (BNS EN ISO 3251)	60 ± 1 %
Conditional viscosity, DIN-4/20°C of a 50% solution in white spirit (DIN 53211-4)	35-45 s
Acid number of 100% resin: (BNS EN ISO 3682)	max 4 mg KOH/g

OTHER INFORMATION

Oil content:	59 %
Density at 20°C: (BNS ISO 2811-1)	0,93 g/cm ³

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**Viscosity Brookfield at 23°C,
sp.3/20 rpm:
(ISO 2555)**

1500 - 3500 mPa.s

**Flash point, closed pot:
(BNS ISO 2719)**

40°C

- Solubility:** It is soluble in aliphatic and aromatic hydrocarbons, esters and ketones. Limited soluble in glycol esters and higher alcohols.
- Application:** The coatings based on Balkyd 590 SU – 60 WS are quickly drying, has high abrasion resistance; good chemical and water resistance; good indoor and outdoor durability.
Recommended drier combinations: 0,1- 0,15% Co; 0,2 - 0,3% Ca; 0,55 - 0,65% Zr as metals in relation to 100% resin.
- Compatibility:** It may be combined with other alkyd resins (medium-oil and long-oil) to improve drying and gloss of decorative coatings.
- Packaging:** In metal barrels; plastic containers; cisterns made of stainless steel.
- 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.
- Hygiene, safety work and ecology:** Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Balkyd 590 SU – 60 WS. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.

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Ruse 7000, 21 Treti mart Blvd., tel.: +359 82 886 340; fax: +359 82 886 340

www.orgachimresins.bg