

BALKYD 345 FA – 60 X

Short oil alkyd resin, modified with distilled fatty acids

Supply form:	60% solution in xylene
Use:	For production of two-component polyurethane lacquers for wood, topcoats and primers for metal in combination with polyisocyanate hardener.
Classification:	Meets the requirements of the EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance: (visually)	Homogenous clear viscous liquid
Gardner Colour of a 50% solution in xylene: (BNS ISO 4630)	max 6
Non-volatile substances content, 125°C/1h: (BNS EN ISO 3251)	60±1 %
Brookfield viscosity at (23±0,5)°C: (ISO 2555)	2800 – 4800 mPa.s
Acid number of 100% resin: (BNS EN ISO 3682)	5-12 mgKOH/g
Hydroxyl number of 100% resin: (BNS EN ISO 4629)	115±5 mgKOH/g

OTHER INFORMATION

Oil content: 34%

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Density at 20°C: 1,0 g/cm³
(BNS ISO 2811-1)

Flash point, closed pot: 30°C
(BNS ISO 2719)

Solubility: Dissolves in aromatic hydrocarbons, esters, ketones and glycol esters.

Application: Balkyd 345 FA–60X is a medium viscosity alkyd polyol that contains OH groups-approx. 3,5% (solid resin) and is used in the production of two-component polyurethane lacquers for wood, primers and enamels for metal, drying at environmental temperature and at increased temperature up to 80°C by polyisocyanate hardening. The coatings have very good water, weather and chemical resistance, high gloss, adhesion, hardness and resistance to friction.

Polyisocyanate stoichiometry calculation:

$$\text{Polyisocyanate (f.o.d.)} = \frac{42 \times 100 \times \text{OH\% (solid resin)}}{17 \times \text{NCO\% (f.o.d.)}}$$

42= molecular weight of the NCO group

17= molecular weight of the OH group

f.o.d.= form of delivery

Compatibility: Compatible with nitrocellulose and amino resins.

It can use in combination with urea formaldehyde resins for lacquers with acid curing, drying at environmental temperature or in combination with melamine formaldehyde resins for lacquers and enamels drying at high temperatures

Packaging: In metal barrels; plastic containers; cisterns made of stainless steel.

Storage: Store in well closed packaging, in sheltered, dry and well-ventilated storage, protected from direct sunlight, at temperatures no higher than 30°C.
Storage shelf life – 12 months from date of production.

Hygiene, safety work and ecology: Refer to the Safety Data Sheet for further information on the safe storage, use and handling of Balkyd 345 FA–60 X. 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