

BALKYD 330 FA – 78 X



Short oil alkyd polyol, modified with vegetable fatty acids

Supply form:	78% solution in xylene
Use:	Alkyd resin that contains OH groups – 4,3 % (solid resin). It is used for production of two component polyurethane topcoats, drying at environment temperature or at higher temperature of aliphatic isocyanate hardening. Applied mainly for machine building, transport vehicles and equipment for agriculture.
Classification:	Meets the requirements of EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance: (visually)	Homogenous clear liquid
Colour Gardner of 50% solution in xylene: (BNS ISO 4630)	max 5
Non-volatile content, (125°C/1h): (BNS EN ISO 3251)	78±1 %
Viscosity Brookfield at 23°C: (ISO 2555)	8 000-12 000 mPa.s
Acid number of 100% of a resin (sp.6/50 rpm): (BNS EN ISO 3682)	12-16 mgKOH/g
Hydroxyl number of 100% of a resin: (BNS EN ISO 4629)	145±5 mgKOH/g

OTHER INFORMATION

Oil content:	33 %
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Density at 20°C: 1,0 g/cm³
(BNS ISO 2811-1)

Flash point in covered pot : 33°C
(BNS ISO 2719)

Solubility: Dissolves in aromatic hydrocarbons, esters and ketones.

Application: Balkyd 330 FA-78 X is applied for formation of two component polyurethane enamels with long pot-life, good hardening, resistance to yellowing and good atmospheric stability.
For hardening are used aliphatic isocyanates in ratio NCO:OH=1:1.

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

Could be added also cobalt or calcium siccatives, as the optimal quantity shall be determined via preliminary samples.

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

Storage: Store in tightly closed packages, in sheltered, dry and well-ventilated warehouses, protected from direct sunlight, at a temperature up to 30°C.
Shelf life - 12 months from the production date.

Hygiene, safety work and ecology: Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Balkyd 330 FA-78 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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