

## BALKYD 350 FA – 65 M



**Short-oil alkyd resin, modified with distilled fatty acids**

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|------------------------|---|
| <b>Supply form:</b>    | 65% solution in xylene and butyl acetate  |
| <b>Use:</b>            | For production of two-component polyurethane lacquers for wood, topcoats and primers for metal in combination with isocyanate hardener. |
| <b>Classification:</b> | Meets the requirements of EU legislation.   |

### CHARACTERISTICS

| INDEXES  | NORM                    |
|--|-------------------------|
| <b>Appearance:</b><br>(visually)                                       | Homogenous clear liquid |
| <b>Gardner Colour of a 50% solution in xylene:</b><br>(BNS ISO 4630)   | max.5                   |
| <b>Non-volatile substances content, 125°C/1h:</b><br>(BNS EN ISO 3251) | 65±1 %                  |
| <b>Brookfield viscosity at 23°C:</b><br>(ISO 2555)                     | 800 – 1800 mPa.s        |
| <b>Acid number of 100% of a resin:</b><br>(BNS EN ISO 3682)            | max.10 mgKOH/g          |
| <b>Hydroxyl number of 100% of a resin:</b><br>(BNS EN ISO 4629)        | 90±5 mgKOH/g            |

### OTHER INFORMATION

|                     |     |
|---------------------|-----|
| <b>Oil content:</b> | 35% |
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**Density at 20°C:** 1,0 g/cm<sup>3</sup>  
(BNS ISO 2811-1)

**Flash point, closed pot:** 31°C  
(BNS ISO 2719)

**Solubility:** Dissolves in xylene, esters, glycol esters.

**Application:** Balkyd 350 FA-65 M is a low viscosity resin and is used in the production of two-component polyurethane lacquers for wood, primers and topcoats for metal, drying at environmental temperature and at increased temperature up to 80°C by isocyanate 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

OH % (solid resin)=2,7 %

**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 350 FA-65 M. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

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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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