



**Technical Leaflet** 

# WorléeSol 65 A

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WorléeSol 65 A is an air-drying alkyd resin based on special fatty acids. It is water-thinnable after neutralization with ammonia or amines.

## **Technical Data:**

Non volatile content, 1h/125 °C, DIN EN ISO 3251	70% ± 2
Oil type	special fatty acids
Oil content	approx. 30%
Density, 20 °C, DIN EN ISO 2811-1	approx. 1.05 g/cm³
Acid value, on solids, DIN EN ISO 2114	30 - 40
Colour, Gardner, 45% in butyl glycol, DIN ISO 4630	max. 10
Flow time, 20 °C, 45% in butyl glycol, DIN EN ISO 2431	50 - 70 s
Delivery form	70% in butyl glycol / sec. butanol / Dowanol PnB 1:1:1

## Application and Properties:

WorléeSol 65 A is a short-oil alkyd resin for the manufacture of water-thinnable, air-drying and forced drying primers and top coats. As neutralization agents could be used ammonia, triethyl amine, DMAMP 80, AMP 90 (Angus) or others.

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wt. amine = \frac{\text{mol wt. amine x acid value resin solids x wt. Resin solids}}{56,100} =100% neutralization
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Primers based on WorléeSol 65 A have a very good corrosion resistance, when used with anticorrosion pigments. Top coats for e. g. agricultural machineries with fast drying, high gloss, perfect leveling and early water spot resistance can be manufactured from WorléeSol 65 A without any problems. At a perfect formulating, also good recoatability is possible. WorléeSol 65 A can also be used for water-thinnable stoving systems.

The application of WorléeSol 65 A based paints can be done by conventional systems, e. g. spraying, dipping, flow coating, etc., but the viscosity at normal pressure spray should be 40 - 60 s. For a good paint stability the water / co-solvent ratio should be 80:20 or 85:15.

The above declarations serve for information purposes only. In particular, they shall not be relevant to define binding specifications for any orders. With respect to any order, the specifications shall be governed by the provisions of the sales contract to be concluded between the parties (e.g. the "product specification"). Any deliveries are exclusively subject to our general standard terms and conditions in their respectively valid version. We will be happy to provide you with the general standard terms and conditions upon your request and

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<u>pH-value</u>: The pH-value should be adjusted after paint manufacturing to 8.2 - 8.5, which guarantees the best properties.

## Drying:

The driers should be dispersed in the mill base.

Following driers are recommended for WorléeSol 65 A:

0.05 - 0.15% Co + 0.05 - 0.15% Mn for primers and coloured top coats 0.05% Co + 0.1% Ca + 0.1 - 0.6% Zr for white pigmented systems (Metal on solid binder)

The addition of Pb- and Zn-driers should be avoided.

Our starting point formulations show which pigments, flatting agents and additives are approved.

## **Recommended Storage and Transport Conditions:**

Up to +25 °C. Avoid direct sunlight.

### Shelf Life:

The storage stability of WorléeSol 65 A in the originally closed barrel is at a storage temperature from +5 to +25 °C twelve months, counted from the day of the delivery ex works.