

## Technical Leaflet

# WorléeSol 68 A

Art.-No. 111050-00685

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Silicone modified, air-drying alkyd resin which is water thinnable after neutralization with ammonia or amines.

### Technical Data:

Appearance	opaque liquid
Non-volatile content, 1h/125 °C, DIN EN ISO 3251	44 - 46 %
Oil type	special fatty acids
Oil content	approx. 32%
Silicone content	approx. 25%
Acid value, on solids, DIN EN ISO 2114	35 - 45 mg KOH/g
Colour, Gardner, 50% in butyl glycol, DIN ISO 4630	≤ 10
Flow time, 20 °C, 50% in butyl glycol, DIN EN ISO 2431	50 - 100 s
Density, 20 °C, DIN EN ISO 2811-1	approx. 1.07 g/cm <sup>3</sup>
<b>Delivery form</b>	approx. 75% in butyl glycol

### Application and Properties:

WorléeSol 68 A is especially suitable for the use as a single binder for the manufacture of extremely high quality, water thinnable industrial paints. As neutralization agents ammonia, triethylamine, DMAMP 80 or similar can be used.

$$\text{wt. amine} = \frac{\text{mol wt. amine} \times \text{acid value resin solids} \times \text{wt. Resin solids}}{56,100} = 100\% \text{ neutralization}$$

WorléeSol 68 A can also be used as a binder for stoving enamels. Suitable reaction partners are melamine resins like Cymel 303 LF or similar.

**pH-value:** The pH-value should be checked and adjusted if necessary after finishing WorléeSol-lacquers Optimum properties will be achieved at a pH-value 8.2 - 8.5.

### Sustainability

The bio-based amount is approx 30% on the binder solids content.

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**Drying:**

Following driers are recommended for WorléeSol 68 A:

0.05 - 0.15% Co

0.05 - 0.15% Mn

(metal on solid binder)

Alternatively, 0.02 - 0.06% Fe, calculated as metal on solids, can be used.

Please refer to our starting point formulations for further recommendations on tested pigments, matting agents and additives.

**Recommended Storage and Transport Conditions:**

Up to +25 °C.

Avoid direct sunlight.

**Shelf Life:**

The storage stability of WorléeSol 68 A in the originally closed barrel is at a storage temperature from +5 to +25 °C six months, counted from the day of the delivery ex works.