

## Technical Leaflet

# WorléeKyd SD 7003

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WorléeKyd SD 7003 is a low viscous, long oil air drying alkyd resin for the production of **low VOC decorative and house paints**. The content of renewable raw material is at 57% in delivery form.

### Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	85% ± 1
Oil type	special vegetable fatty acids
Oil content	approx. 70%
Acid value, on solids, DIN EN ISO 2114	< 15
Colour, Gardner, delivery form, DIN ISO 4630	< 10
Viscosity, Rheometer, 20 °C, C 35/1°, 250 s <sup>-1</sup> , 80% in dearomat. HC 160 - 200	2,000 - 4,000 mPa·s
<b>Delivery form</b>	85% in dearomat. HC 160 - 200

### Properties and Applications:

W'Kyd SD 7003 is a long oil alkyd resin. It is used in high quality undercoats and base coats, and in silk- and high gloss decorative paints. It is also suitable as combination partner in wood glazings. Systems on basis W'Kyd SD 7003 show fast drying and through drying, high initial hardness and good sandability. These systems show also a good outdoor- and yellowing resistance.

In silk gloss systems W'Kyd SD 7003 shows in combination with thixotropic alkyd resins, as e. g. W'Thix 670 hs, a good mattability and good processing- and levelling properties. For further optimization of the matting (faster gloss) is the W'Add 429 suitable.

### Solubility:

W'Kyd SD 7003 is well soluble in aromatic and aliphatic hydrocarbons and in dearomatized white spirits and isoparaffines.

Worlée SD 7003

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**Siccative Recommendation:**

For the drying of WorléeKyd SD 7003 following standard values are proposed:

**Cobalt-containing**

approx. 0.06% Co  
approx. 0.1 - 0.15% Ca  
approx. 0.1 - 0.15% Zr  
(metal counted on solid alkyd resin)

**Cobalt-free**

approx. 1% Nuodex Drycoat (Rockwood)

each counted on solid binder. In addition the use of secondary driers or special additives is recommended

approx. 0.15% Ca  
approx. 0.15% Zr  
(each metal on solid binder)

**Shelf Life:**

The storage stability of WorléeKyd SD 7003 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.