

## Technical Leaflet

# WorléeKyd BSA 5015

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WorléeKyd BSA 5015 is a low viscous, air drying special modified alkyd resin mainly for the use in low VOC painter and building varnishes with good weather resistance. The part of renewable raw materials is around 42% in delivery form.

### Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	85% ± 1
Oil type	special vegetable fatty acid
Oil content	approx. 49%
Acid value, on solids, DIN EN ISO 3682	max. 12
Colour, Gardner, 60% in deaomat. HC 160-200, DIN ISO 4630	max. 5
Flow time, 60% in deaomat. HC 160-200, DIN 53211-4	40 - 60 s
Viscosity, Rheometer, 20 °C, C 35/1°, 100 s <sup>-1</sup>	8,000 - 15,000 mPa·s
<b>Delivery form</b>	85% in deaomat. HC 160-200

### Application and Properties:

WorléeKyd BSA 5015 is recommended as the only binder or in combination with conventional long and medium oil alkyd resins for the manufacture of high quality, high solid paints / low VOC.

This is characterized by a very good weather resistance.

### Compatibility:

WorléeKyd BSA 5015 is compatible with most medium and long oil air drying alkyd resins. It is also compatible with usual maleic and phenolic modified hard resins.

### Solubility:

WorléeKyd BSA 5015 is well soluble in all usual solvents.

### Drying:

Following driers are recommended for WorléeKyd BSA 5015:

WorléeKyd BSA 5015

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**a) cobalt-containing:**

0.04 - 0.07% Co

0.05 - 0.10% Zr

0.10 - 0.30% Ca

(metal calculated on solid alkyd resin)

**b) cobalt-free:**

approx. 1% Nuodex Drycoat (Venator)

(on solid binder)

**and in addition:**

0.10 - 0.20% Ca

0.10 - 0.15% Zr

(Metal on solid binder)

**Shelf Life:**

The storage stability of WorléeKyd BSA 5015 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.