

Technical Leaflet

WorléeKyd L 8004

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WorléeKyd L 8004 is a low viscosity linseed oil based alkyd resin for production of high solid paint systems, **low VOC**. The content of renewable raw materials is at 85%.

Technical Data:

Appearance	clear to opaque
Non volatile content, 1h/125 °C, DIN EN ISO 3251	min. 98%
Oil type	linseed oil
Oil content	approx. 80%
Acid value, on solids, DIN EN ISO 2114	max. 15
Colour, Gardner, delivery form, DIN ISO 4630	max. 10
Viscosity, Rheometer, 20 °C, C 35/1°, 250 s ⁻¹	2,500 - 3,500 mPa·s
Flow time, 20 °C, 70% in dearomat. HC 160 - 200, DIN EN ISO 2431	30 - 40 s
Delivery form	approx. 100%

Compatibility:

WorléeKyd L 8004 is compatible with most air-drying medium and long oil alkyd resins.

Solubility:

WorléeKyd L 8004 is soluble in all usual solvents.

Application and Properties:

WorléeKyd L 8004 is a low-viscosity alkyd resin.

WorléeKyd L 8004 is particularly suitable for the formulation of VOC compliant wood glazings, wood paints, high quality clear coats and special anticorrosion primers.

WorléeKyd L 8004 is characterised by an excellent permanent elasticity, very good weather resistance and very good penetration.

Especially in woodglazings thixotropic binders as e. g. W`Thix S 6051, W`Thix S 6658 or W`Thix S 6357 are suitable as combination partner for the WorléeKyd L 8004.

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This can create drip-inhibited or also strongly thixotropic glazings.

In clear coats a combination with urethane modified alkyd resins as e. g. WorléeKyd B 865 U or also WorléeKyd S 5703 makes sense. Good drying, tough elastic and abrasion-resistant systems are achieved.

Driers:

Following driers are recommended for WorléeKyd L 8004:

Cobalt-containing:

0.04 - 0.06% Co

0.10 - 0.15% Zr

0.10 - 0.30% Ca

(metal calculated on solid alkyd resin)

Cobalt-free:

approx. 1% Nuodex Drycoat (Rockwood)
(on solid binder)

and in addition:

0.10 - 0.30% Ca

0.10 - 0.15% Zr

(Metal on solid binder)

Shelf Life:

The storage stability of WorléeKyd L 8004 in the originally closed barrel is at a storage temperature from + 5 to + 25 °C nine months, counted from the day of the delivery ex works.