

Technical Leaflet

WorléeKyd L 7904

Art.-No. 111020-03870

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WorléeKyd L 7904 is a low viscous linseed oil based alkyd resin for production of high solid paint systems. The content of renewable raw materials is at 82%.

Technical Data:

Appearance	clear to opaque
Oil type	linseed oil
Oil content	approx. 79%
Content of isophthalic acid	approx. 18
Acid value, on solids, DIN EN ISO 2114	max. 15
Colour, Gardner, delivery form, DIN ISO 4630	max. 10
Viscosity, 20 °C, Rheometer, C 35/1, 250 s ⁻¹	8,000 - 10,000 mPa·s
Viscosity, 23 °C, Rheometer, Z 3, 100 s ⁻¹	6,000 - 8,000 mPa·s
Delivery form	approx. 100%

Compatibility:

WorléeKyd L 7904 is compatible with most air-drying medium and long oil alkyd resins.

Solubility:

WorléeKyd L 7904 is soluble in all usual solvents.

Application and Properties:

WorléeKyd L 7904 is a low-viscosity alkyd resin.

WorléeKyd L 7904 is particularly suitable for the formulation of VOC compliant wood glazings, wood paints, high quality clear coats and special anticorrosion primers.

WorléeKyd L 7904 is characterised by an excellent permanent elasticity, very good weather resistance and very good penetration.

Especially in woodglazings thixotropic binders as e. g. WorléeThix S 6051, WorléeThix S 6658 or WorléeThix S 6357 are suitable as combination partner for the WorléeKyd L 7904.

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

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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.

Drying:

Following driers are recommended for WorléeKyd L 7904:

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 7904 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.