

Technical Leaflet

WorléeKyd B 4901

Art.-No. 111010-06016

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WorléeKyd B 4901 is a medium-oil, fast drying alkyd resin. The main application is for air and forced drying industrial, vehicle and machine paints, as well as for dearomatized do-it-yourself and radiator enamels.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	50% ± 1
Content of phthalic anhydride	approx. 24%
Oil type	cotton oil
Oil content	approx. 49%
Acid value, on solids, DIN EN ISO 2114	max. 12
Colour, Gardner, delivery form, DIN ISO 4630	max. 10
Viscosity, Rheometer, 20 °C, C 35/1°, 250 s ⁻¹	3,000 - 6,500 mPa·s
Delivery form	50% in dearomat. HC 160-200

Application and Properties:

WorléeKyd B 4901 is a modern, all-round useable medium-oil alkyd resin. Because of its good properties WorléeKyd B 4901 is used for dearomatised and low odour industrial-, radiator-, dip- and flow coating enamels and for vehicle paints.

Compatibility:

WorléeKyd B 4901 is compatible with nearly all medium and long-oil, air-drying alkyd resins, as well as with maleic resins and phenolic resin modified hard resins.

Solubility:

WorléeKyd B 4901 is soluble in all usual solvents.

Drying:

Following driers are recommended for WorléeKyd B 4901:

WorléeKyd B 4901

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Cobalt-containing:

a)
6.50 - 7.00 Nuodex Combi APB (Venator)
(calculated on 100% alkyd resin)

b)
0.04 - 0.07% Co
0.10 - 0.30% Ca
0.05 - 0.10% Zr
(metal calculated on solid alkyd resin)

Cobalt-free:

a) for radiator enamels
0.10 - 0.20% Ba metal
1.00 - 1.50% Ca metal
(calculated on 100% alkyd resin)

b)
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 B 4901 in the originally closed barrel is at a storage temperature from +5 to +25 °C twelve months, counted from the day of the delivery ex works.