

Technical Leaflet

WorléeKyd V 5241 U

Art.-No. 111021-00528

Revision: 28.06.2022

WorléeKyd V 5241 U is a low viscosity oil modified polyurethane for production of high solid, more environmentally friendly paint systems. The content of renewable raw materials is at 80%.

Technical Data:

Oil type	linseed oil
Oil content	approx. 81%
Modified with	aromatic isocyanate
Acid value, on solids, DIN EN ISO 2114	max. 3
Viscosity, Rheometer, 20 °C, C 35/1°, 100 s ⁻¹	10,000 - 15,000 mPa·s
Colour, Gardner, delivery form, DIN ISO 4630	max. 6
Delivery form	approx. 100%

Compatibility:

WorléeKyd V 5241 U is compatible with most air drying medium and long oil alkyd resins.

Solubility:

WorléeKyd V 5241 U is soluble in all usual solvents.

Application and Properties:

WorléeKyd V 5241 U is a low viscosity linseed oil based urethane alkyd resin.

WorléeKyd V 5241 U is particularly suitable for manufacturing of preservative impregnation for wood and wood preservative glazing paint. Through combination with medium and long oil and fast drying urethane modified alkyd resins very good weather resistance, high solid clear lacquers and high solid primers can be produced.

When paints or lacquers based on WorléeKyd V 5241 U are applied by conventional or airless spray, only water irrigated spraying cabinets are recommended as the spraying dust tends to self-ignition if it is dry.

Driers:

Following driers are recommended for WorléeKyd V 5241 U:

WorléeKyd V 5241 U

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0.04 - 0.06% Co
0.05 - 0.07% Zr
0.10 - 0.30% Ca
(metal calculated on solid alkyd resin)

Cobalt-free:

approx. 1% Nuodex Drycoat (Venator)
(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 V 5241 U 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.