

Technical Leaflet

WorléeKyd E 55

Art.-No. 111020-00418

Revision: 13.09.2024

Long oil, low viscous alkyd resin based on drying vegetable fatty acids.

Technical Data:

Non-volatile content, 1h/125 °C, DIN EN ISO 3251	69 - 71%
Oil type	special fatty acid, urethane modified
Oil content	approx. 63%
Acid value, on solids, DIN EN ISO 2114	≤ 10 mg KOH/g
Colour, Gardner, 60% in white spirit 145-195, DIN ISO 4630	≤ 10
Flow time, 20 °C, 60% in white spirit 145-195, DIN EN ISO 2431	200 - 300 s
Delivery form	approx. 70% in white spirit 145-195

Application and Properties:

WorléeKyd E 55 is suitable as a sole binder and especially in combination with medium oil alkyd resins for the manufacture of high quality industrial coatings like car repair, machine and agricultural implement paints.

Sustainability:

The bio-based amount is approx. 68% on the binder solids content.

Compatibility:

WorléeKyd E 55 is compatible with the majority of medium and long oil alkyd resins. It is also compatible with most maleic and phenolic modified hard resins.

Solubility:

WorléeKyd E 55 is soluble in all usual solvents.

WorléeKyd E 55

Siccative Recommendation:

Following driers are recommended for WorléeKyd E 55:

0.04 - 0.06% Co

0.10 - 0.20% Ca

0.05 - 0.09% Zr

(metal calculated on solid alkyd resin)

or:

5.00 - 6.50% Nuodex Combi (Venator) of drier solution on solid alkyd resin.

Shelf Life:

The storage stability of WorléeKyd E 55 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.