

Technical Leaflet

WorléeKyd SD 6403

Art.-No. 111021-01838

Revision: 27.08.2018

W'Kyd SD 6403 is an urethane modified long oil type alkyd resin, mainly for the manufacture of interior and exterior wood varnishes for floors, furniture, panellings and yacht finishes. It is also recommended as a binder for high quality fast drying primers and topcoats with good gloss and gloss retention.

Technical Data:

Non volatile content, DIN EN ISO 3251	55% ± 1
Phthalic anhydride content	approx. 12%
Oil content	approx. 64%
Oil type	special fatty acids
Colour, Gardner, delivery form, DIN ISO 4630	max. 6
Acid value, DIN EN ISO 3682	max. 10
Viscosity, Rheometer, 20 °C, C35/1° 100 s ⁻¹	5.500 – 13.500 mPa*s
Delivery form	55% in dearomatized HC 160 - 200

Compatibility:

W'Kyd SD 6403 is compatible with the majority of medium and long oil types air drying alkyd resins and with nearly all maleic and phenolic modified hard resins.

Solubility:

W'Kyd SD 6403 is soluble in all solvents.

Application and properties:

W'Kyd SD 6403 is mainly recommended as the only binder or in combination with long oil alkyd resins for wood varnishes and parquet sealers.

Varnishes based on W'Kyd SD 6403 are fast drying with a high degree of hardness, abrasion and outdoor resistance.

When paints or lacquers based on W'Kyd SD 6403 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.

WorléeKyd SD 6403

2

Driers:

The following driers are recommended:

0.02 - 0.05 Co (Cozirk 69 Manchem)

0.03 - 0.08 Zr

0.10 - 0.20 Ca (Ca 10%)

(metal content on 100% alkyd resin)