

Technical Leaflet

WorléeKyd S 6003

Art.-No.111021-00673

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W'Kyd S 6003 is an isocyanate modified long oil type alkyd resin.

Technical Data:

Oil content	approx. 60%
Oil type	soya oil fatty acid
Content of phthalic anhydride	approx. 19%
Non volatile content, 1h/125 °C, DIN EN ISO 3251	51% ± 1
Colour, Gardner, delivery form. DIN ISO 4630	max. 10
Acid value, on solids, DIN EN ISO 3682	max. 5
Viscosity, Rheometer, C 35/1°, 500/s ⁻¹	1,500 – 6,000 mPa·s
Delivery form	51% in deaomat. HC 160 - 200

Compatibility:

W'Kyd S 6003 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 S 6003 is soluble in all common solvents.

Application and Properties:

W'Kyd S 6003 is mainly recommended as the only binder for high quality interior and exterior wood varnishes for floors, parquets, primers and top coats.

Due to the good compatibility with most of long oil type alkyd resins, W'Kyd S 6003 can also be used as a combination resin reducing the drying time and increasing the hardness and the resistance properties.

When paints or lacquers based on W'Kyd S 6003 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.

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Driers:

The following driers are recommended:

0.02 - 0.05% Co

0.03 - 0.08% Zr

0.10 - 0.20% Ca calculated on solid alkyd resin

or 4 - 5% Nuodex Combi APB (Rockwood) of the solution on solid alkyd resin.