

Technical Leaflet

WorléeKyd B 845

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W'Kyd B 845 is a medium oil, very fast drying alkyd resin based on cotton seed and soya oils, for the production of high quality air and heat drying industrial enamels and car repair enamels. Furthermore for fast drying enamels for tractors and agricultural equipment.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	70% ± 1
Oil content	approx. 45%
Content of phthalic anhydride	approx. 25%
Acid value, on solids, DIN EN ISO 3682	max. 15
Colour, Gardner, delivery form, DIN ISO 4630	max. 10
Viscosity, Rheometer, 20 °C, C 35/1°, 100 s ⁻¹	5.500-8.000 mPa·s
Delivery form	70% in xylene

Compatibility:

W'Kyd B 845 is compatible with short and medium oil alkyd resins. With long oil alkyds, B 845 is partly compatible. The addition of a maleic resin can improve the compatibility with long oil alkyds. W'Kyd B 845 is compatible with the usual maleic and phenolic modified resins.

Solubility:

W'Kyd B 845 is soluble in all solvents with the exception of low alcohols.

Application and Properties:

W'Kyd B 845 is a modern, multi-purpose medium oil length alkyd resin. Due to the very good properties, W'Kyd B 845 is used as a binder for high quality industrial enamels, radiator, dipping and flow coating paints and enamels for trucks, touring cars, omnibuses, tractors and agricultural equipment.

W'Kyd B 845 can also be used for nitro cellulose combinations and for air- and heat drying primers with very good elasticity.

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Driers:

Following driers are recommended for W'Kyd B 845

0.04 - 0.06% Co

0.05 - 0.09% Zr

0.10 - 0.20% Ca

(metal calculated on solid alkyd resin)

or

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