

Technical Leaflet

WorléeKyd B 850 U

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WorléeKyd B 850 U is a urethane modified medium oil type alkyd resin, mainly for the manufacture of high quality industrial primers and top coats.

Technical Data:

Oil content	approx. 45%
Oil type	special mixed fatty acids
Content of phthalic anhydride	approx. 17%
Non volatile content, 1h/125 °C, DIN EN ISO 3251	50% ± 1
Colour, Gardner, 40% in ws 145 - 195, DIN ISO 4630	max. 10
Acid value, on solids, DIN EN ISO 2114	max. 15
Flow time, 20 °C, 40% in ws 145 - 195, DIN EN ISO 2431	80 - 120 s
Delivery form	50% in white spirit 145 - 195 / xylene 42 : 8

Compatibility:

WorléeKyd B 850 U is compatible with the majority of medium- and long oil air drying alkyd resins. It is also compatible with most of maleic and phenolic modified hard resins.

Solubility:

WorléeKyd B 850 U is soluble in all solvents.

Application and Properties:

WorléeKyd B 850 U is mainly recommended as the only binder for high quality and fast drying primers and top coats for industrial application e.g. machinery- and agricultural machinery paints. The outstanding properties are white spirit dilutability, very fast drying and through drying. These advantageous drying properties enable fast tape resistance and good recoatability. It is an alternative to vinyl toluene alkyds.

When paints or lacquers based on WorléeKyd B 850 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.

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Driers:

The following addition of driers is recommended for WorléeKyd B 850 U:

0.04 - 0.06% Co metal

0.05 - 0.09% Zr metal

0.10 - 0.20% Ca metal

metal on 100% alkyd resin

or 5.00 - 6.50% Nuodex Combi APB (Venator) of drier solution on 100% alkyd resin.

Shelf Life:

The storage stability of WorléeKyd B 850 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.