

Technical Leaflet

WorléeKyd SM 340

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W`Kyd SM 340 is a short oil, very quick drying alkyd resin based on vegetable fatty acids for the manufacture of air drying and stoving primers and finishes.

Technical Data:

Content of phthalic anhydride	approx. 30%
Oil content	approx. 40%
Colour, 50% in xylene, Gardner, DIN ISO 4630	max. 10
Acid value, DIN EN ISO 3682	max. 20
Flow time, 20 °C, 50% in xylene, DIN 53211-4	130 - 170 s
Delivery form	60% in xylene

Compatibility:

W`Kyd SM 340 is compatible with most short and medium oil drying alkyds and with long oil drying alkyds up to 60 % oil content. W`Kyd SM 340 is also compatible with the usual hard resins, such as maleic resins and phenolic modified resins. Furthermore with unmodified urea and melamine formaldehyde resins, with some epoxy esters such as WorléeDur MF 45, with low viscosity chlorinated rubber and with nitrocellulose.

Solubility:

W`Kyd SM 340 is well soluble in all usual solvents.

Application and Properties:

W`Kyd SM 340 is a modern, generally proposed alkyd resin with very good drying properties for primers and top coats. It is specially developed for quick drying primers and industrial finishes with good elasticity. The good gloss stability and weather resistance have to be stressed.

The drying time can be reduced by forced drying at higher temperatures.

In conjunction with unmodified urea formaldehyde or melamine formaldehyde resins in the ratio 60:40 or 80:20 very reactive stoving finishes can be obtained. The stoving conditions are 30 min. at 100 °C or 10 min. at 160 °C.

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W´Kyd SM 340 can also be used as the alkyd component for acid curing lacquers and paints in combination with a reactive urea formaldehyde resin.

Drying:

The following addition of driers is recommended for W´Kyd SM 340:

a) lead containing

0.02 - 0.06% Co metal

0.40 - 0.70% Pb metal

0.10 - 0.20% Ca metal

calculated on 100% alkyd resin

b) lead free

0.04 - 0.06 % Co metal

0.15 - 0.20 % Ca metal

calculated on 100% alkyd resin