Technical Leaflet

WorléeKyd SM 433

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W´Kyd SM 433 is a short oil, extremely fast drying alkyd resin based on drying vegetable fatty acids for the production of air drying and oven curing primers and top coats.

Technical Data:

Oil content	approx. 33%
Oil type	drying vegetable fatty acids
Content of phthalic anhydride	approx. 38%
Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 1
Colour, Gardner, 50% in xylene, DIN ISO 4630	max. 10
Acid value, on solids, DIN EN ISO 3682	max. 15
Flow time, 20 °C, 50% in xylene, DIN 53211-4	60 - 80 s
Delivery form	60% in xylene

Compatibility:

W´Kyd SM 433 is compatible with short oil alkyd resins and with some medium oil types. It is partially compatible with vinyl mixed polymerisates, e. g. Laroflex, BASF.

Solubility:

W´Kyd SM 433 is soluble in aromatics, esters, ketones and glycol ethers.

Application and Properties:

W´Kyd SM 433 is mainly recommended for the manufacture of fast drying primers and top coats.

The very good compatibility with vinyl mixed polymerisates and the low tendency to thermoplasticity combined with the low viscosity are the main advantages of W´Kyd SM 433.

In combination with reactive urea or melamine resins at the ratio 70 : 30 or 80 : 20 fast curing stoving primers and top coats can be produced. The curing condition should be approx. 30 min. at 130 °C.

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Driers:

The following driers are recommended for W´Kyd SM 433:

5.0 - 6.5% Nuodex Combi APB (Rockwood) solution calculated on 100% alkyd resin

or

4.0 - 5.5% OS-Drier 203 (Borchers) solution calculated on 100% alkyd resin.

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