

Technical Leaflet

WorléeKd M 932

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W'Kyd M 932 is a short oil and very reactive alkyd resin with high viscosity. It is mainly for the production of low priced industrial stoving finishes.

Technical Data:

Oil content	approx. 32%
Content of phthalic anhydride	approx. 38%
Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 1
Colour, Gardner, 40% in xylene, DIN ISO 4630	max. 10
Acid value, on solids, DIN EN ISO 3682	max. 18
Flow time, 20 °C, 40% in xylene, DIN 53211-4	40 - 60 s
Delivery form	60% in xylene

Compatibility:

W'Kyd M 932 is completely compatible with most short oil alkyds, unmodified urea formaldehyde and melamine resins and nitrocellulose. Due to the numerous products being on the market, we recommend trials in advance.

Solubility:

W'Kyd M 932 is completely soluble in aromatics, esters, glycol ethers and ketones, partially soluble in low alcohols, insoluble in aliphatics.

Application and Properties:

W'Kyd M 932 is mainly used for low priced stoving primers and finishes with excellent gloss, high hardness, good elasticity and adhesion. Despite the high reactivity the paints based on W'Kyd M 932 have a good viscosity stability.

The optimum ratio of amino resins to be added depends on the stoving conditions. We recommend the ratio 8 : 2 (calculated on solids content) when used reactive unmodified melamine resins and 6 : 4 or 7 : 3 (calculated on solids content) when used reactive unmodified urea formaldehyde resins.

When using reactive melamine resins for achieving good can stability the addition of a sufficient quantity of alcohols is recommended. Corresponding formulations are also suitable for dipping application. Good properties are achieved at stoving conditions 30 min. - 100 °C to 10 min. - 140 °C.

Further application fields for W'Kyd M 932 are stoving hammer finishes with very good structure and brilliance.

W'Kyd M 932 is also suitable for the manufacture of forced dried acid curing paints and lacquers and for air drying primers and top coats. The addition of 3 - 5% plasticizer or another soft resin is recommended to avoid brittleness.