

Technical Leaflet

WorléeKyd CD 32

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W´Kyd CD 32 is a short oil alkyd resin based on special fatty acids, application mainly in combination with suitable amino resins for the manufacture of high reactive stoving paints. Also for air drying primers and top coats W´Kyd CD 32 can be used.

Technical Data:

Content of phthalic anhydride	48%
Oil content	approx. 32%
Colour, Gardner, 45% in xylene, DIN EN ISO 4630	max. 8
Acid value, DIN EN ISO 3682	25 - 40
Flow time, 20 °C, 45% in xylene, DIN 53211-4	80 - 130 s
OH content, on solids, DIN EN ISO 4629	2,6 - 3,0 %
Delivery form	60 ± 1 % in xylene

Compatibility:

W´Kyd CD 32 is normally compatible with short oil alkyd and amino resins. Due to the numerous products being on the market trials in advance are recommended. There is also compatibility with some aromatic and aliphatic isocyanates, but not with PVC mixed polymerisates.

Solubility:

W´Kyd CD 32 is soluble in aromatic hydrocarbons, esters, ketones, glycol ethers and glycol ether esters. It is insoluble in alcohols and aliphatic hydrocarbons.

Application and Properties:

W´Kyd CD 32 in combination with high reactive melamine resins like e.g. Maprenal MF 580 (Hoechst) or Dynomin MI-11-I (Dyso Cyanamid) is suitable to manufacture so-called "low energy" paints which can already be cured at conditions of 30 min. 80°C.

The ratio alkyd / melamine resins (on solids) is normally approx. 4:1. Even if the acid value of W´Kyd CD 32 is relatively high. Generally good can stability is achieved.

It is recommended to use a sufficient high part of polar solvents, e.g. isobutanol. The achieved film properties like gloss, hardness, flexibility, yellowing resistance and chemical resistances are good.

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Also for the manufacture of air drying primers and top coats W´Kyd CD 32 is suitable.
Due to the presence of reactive OH groups the use in isocyanate curing systems is possible.