Technical Leaflet

WorléeKyd SH 380

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W´Kyd SH 380 is a short oil alkyd especially for use in conjunction with amino resins in very rapid curing acid catalyzed finishes.

Technical Data:

Oil content	approx. 38%
Content of phthalic anhydride	approx. 34%
Non volatile content, 1h/125 °C, DIN EN ISO 3251	70% ± 1
Colour, Gardner, 60% in butyl acetate 98/100, DIN ISO 4630	max. 10
Acid value, on solids, DIN EN ISO 3682	max. 15
Flow time, 20 °C, 60% in butyl acetate 98/100, DIN 53211-4	90 - 110 s
Delivery form	70% in butyl acetate 98/100

Compatibility:

W´Kyd SH 380 is in general well compatible with most short oil alkyds, unmodified urea formaldehyde and melamine resins, nitrocellulose and maleic resins. Due to the numerous products being on the market trials before use are recommended.

Solubility:

W´Kyd SH 380 is completely soluble in aromatics, esters, ketones and glycol ethers, partially soluble in aliphatic hydrocarbons and low alcohols.

Application and Properties:

W´Kyd SH 380 is intended for use in conjunction with unmodified urea formaldehyde resins in the ratio 65 : 35 or 70 : 30 (calculated on resin solids) for high quality, rapid curing acid catalyzed finishes with good elasticity and relatively long pot life. W´Kyd SH 380 is suitable both for acid catalyzed finishes to be cured at room temperature and for force drying finishes.

Particularly good is the compatibility with nitrocellulose of all viscosities also at small additions, based on the ready made acid curing lacquers.

In combination with reactive melamine resins like Dynomin MI-11-I, (Dyno Cyanamid) W´Kyd SH 380 is recommended for stoving finishes to cure at 80 °C. To ensure adequate can stability of the paint and pot life in acid curing finishes the content of primary alcohol e.g. butanol, should be relatively high.

W´Kyd SH 380 is also used in combination with nitrocellulose for manufacturing of fast curing poly isocyanate crosslinked wood lacquers with good resistance properties.