

Technical Leaflet

WorléeKyd BS 830

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W´Kyd BS 830 is an air-drying silicone modified alkyd resin mainly for the manufacture of lasting protection coatings for steel constructions. High gloss paints based on W´Kyd BS 830 have good drying and resistance properties and very good gloss retention.

Technical Data:

Oil content	approx. 45%
Content of phthalic anhydride	approx. 17%
Silicone content	30%
Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ±1
Colour, Gardner, 50% in dearomat. HC 160 - 200, DIN ISO 4630	max. 10
Acid value, on solids, DIN EN ISO 3682	max. 15
Flow time, 20 °C, 50% in dearomat. HC 160 - 200, DIN 53211-4	120 - 150 s
Delivery form	60% in dearomat. HC 160 - 200

Compatibility:

W´Kyd BS 830 is compatible with nearly all long oil alkyds, phenolic and maleic modified hard resins. It is partially compatible with some medium length alkyd resins.

Solubility:

W´Kyd BS 830 is well soluble in all solvents with the exception of low alcohols.

Application and Properties:

W´Kyd BS 830 is recommended as the only binder or in combination with conventional long and medium oil alkyd resins for the manufacture of high quality industrial and decorative paints.

Driers:

The following addition of driers is recommended:

0.04 - 0.07% Co
0.10 - 0.30% Ca metal calculated on solid alkyd resin