Technical Leaflet

WorléeKyd BS 830

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WorléeKyd BS 830 is an air-drying, silicone modified alkyd resin mainly for use in industrial and architectural coatings with good drying and resistance properties.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 1
Content of phthalic anhydride	approx. 17%
Silicone content	30%
Oil content	approx. 45%
Acid value, on solids, DIN EN ISO 3682	max. 15
Colour, Gardner, 50% in ws 145-195, DIN ISO 4630	max. 10
Flow time, 20 °C, 50% in ws 145-195, DIN 53211-4	55 - 70 s
Viscosity, Rheometer, 20 °C, C 35/1°, 100 s^{-1}	1,500 - 3,500 mPa·s
Delivery form	60% in white spirit 145-195

Application and Properties:

WorléeKyd 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 architectural coatings. It is characterised in particular by its good weather resistance. Compared to unmodified alkyd resins, it archieves better gloss and colour stability.

Compatibility:

WorléeKyd BS 830 is compatible most medium and long-oil, air-drying alkyds It is also compatible with most usual phenolic and maleic modified hard resins.

Solubility:

WorléeKyd BS 830 is soluble in all usual solvents.

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Drying:

Following driers are recommended for WorléeKyd BS 830:

Cobalt-containing:

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

Cobalt-free:

approx. 1% Nuodex Drycoat (Venator)
on solid binder

and in addition:

0.10 - 0.20% Ca
0.10 - 0.15% Zr
Metal on solid binder

Shelf Life:

The storage stability of WorléeKyd BS 830 in the originally closed barrel is at a storage temperature from +5 to +25 °C six months, counted from the day of the delivery ex works.

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