

Technical Leaflet

WorléeKyd BS 5005

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WorléeKyd BS 5005 is a low viscous, air drying silicone modified alkyd resin mainly for the use in industrial and house paints / **low VOC** with good drying and resistance properties.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	80% ± 1
Content of phthalic anhydride	approx. 15%
Oil type	special vegetable fatty acid
Oil content	approx. 50%
Silicone content	approx. 30%
Acid value, on solids, DIN EN ISO 2114	max. 15
Colour, Gardner, 50% in dearomat. HC 160 - 200, DIN ISO 4630	max. 5
Flow time, 50% in dearomat. HC 160 - 200, DIN EN ISO 2431	25 - 40 s
Delivery form	80% in dearomat. HC 160 - 200

Compatibility:

WorléeKyd BS 5005 is compatible with most medium and long oil air drying alkyd resins. It is also compatible with usual maleic and phenolic modified hard resins.

Solubility:

WorléeKyd BS 5005 is well soluble in all usual solvents.

Application and Properties:

WorléeKyd BS 5005 is recommended as the only binder or in combination with conventional long and medium oil alkyd resins for the manufacture of high quality, high solid industrial and house paints / **low VOC**.

This is characterized by a very good weather resistance.

WorléeKyd BS 5005

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Driers:

Following driers are recommended for WorléeKyd BS 5005:

Cobalt-containing:

0.04 - 0.07% Co

0.10 - 0.30% Ca

0.05 - 0.10% Zr

(metal calculated on solid alkyd resin)

Cobalt-free:

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 5005 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.