

Technical Leaflet

WorléeSol 30

Art.-No. 111055-00629

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WorléeSol 30 is a chemically modified, very low viscous linseed oil polymer.

Technical Data:

Appearance	slightly turbid to clear solution
Non volatile content, 1h/125 °C, DIN EN ISO 3251	99% ± 1
Acid value, on solids, DIN EN ISO 2114	max. 20
Colour, Gardner, delivery form, DIN ISO 4630	max. 15
Viscosity, Rheometer, 20 °C, C 60/2°, 200 s ⁻¹	500 - 1,200 mPa·s
pH-value, 40% solution in water, DIN ISO 976	4 - 5
Density, 20 °C, DIN EN ISO 2811-1	approx. 1.02 g/cm ³
Delivery form	100%

Application and Properties:

Due to the main characteristics of WorléeSol 30 like solubility with water - only given if 10-15% co-solvent (calculated on solids) are added - and solvents (e.g. white spirit), high and easy pigmentation, freeze-thaw stability and high gloss there are many interesting application fields, like e.g.:

- printing inks
- additive for dispersion systems
- pigment preparations or tinting colours
- artists' paints
- temporary anticorrosive paints

and also in fields where the approved qualities of linseed oil products are required.

Drying:

Following driers are recommended for WorléeSol 30:

- 0.06% cobalt
- 0.02% manganese

(metal calculated on WorléeSol 30 resin)

Cobalt drier acts more as a through drier in WorléeSol 30 systems and relatively high levels are recommended. Small amounts of manganese stabilize the drying. The driers should be incorporated into the WorléeSol 30 before reduction with water. A convenient method is to mix the driers into a portion of WorléeSol 30 before thinning with water.

Recommended Storage and Transport Conditions:

Up to +25 °C.
Avoid direct sunlight.

Shelf Life:

The storage stability of WorléeSol 30 in the originally closed barrel is at a storage temperature from +5 to +25 °C nine months, counted from the day of the delivery ex works.