

Technical Leaflet

WorléeSol 31 C

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WorléeSol 31 C is a modified linseed oil polymer. It is readily reducible with water for formulating exterior stains and wood impregnations.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	45% ± 1
Appearance	slightly turbid to clear solution
Viscosity, Rheometer, 20 °C, C 60/2°, 200 s ⁻¹	200 - 1,000 mPa·s
Acid value, on solids, DIN EN ISO 3682	90 - 140
pH-value, DIN ISO 976	7.0 - 9.0
Colour, Gardner, delivery form, DIN ISO 4630	max. 10
Density, 20 °C, DIN EN ISO 2811-1	1.00 g/cm ³ ± 0.02
Delivery form	45% in water/Dowanol PnB 80 : 20

Application and Properties:

WorléeSol 31 C is a unique resin for the manufacture of water thinnable clear wood impregnations, pigmented and transparent stains and wood care oils. It shows extremely good penetration into the wood, excellent durability, easy application, no nailhead rusting, good chalk binding and long term elasticity.

The storage stability is even with low solid content very good. Pigments, extenders and matting agents can be dispersed on all common aggregates. The pH-value of formulations based on WorléeSol 31 C should be between 8.2 - 8.5 so that the optimum stability is guaranteed. Ammonia is recommended as neutralization agent. As driers cobalt and manganese, have proved to be suitable.

Our starting point formulations and our experience report will give further information about tested pigments, matting agents- and additives.

WorléeSol 31 C.

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Recommended Storage and Transport Conditions:

+2 to +25 °C

Protect from freeze and avoid from direct sunlight. Product contains water and storage under 0 °C may cause inhomogeneity. In this case, warm up slowly at room temperature if necessary with the help of a slow stirrer.

Shelf Life:

The storage stability of WorléeSol 31 C in the originally closed barrel is at a storage temperature from + 5 to + 25 °C four months, counted from the day of the delivery ex works.