

## Technical Leaflet

# WorléeSol 31 C

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W´Sol 31 C is a modified linseed oil polymer. It is readily reducible with water for formulating exterior stains and wood preservatives.

### Technical Data:

|   |                                   |
|---|-----------------------------------|
| Non volatile content, 1h/125 °C,<br>DIN EN ISO 3251 | 45% ± 1                           |
| Appearance  | slightly turbid to clear solution |
| Flow time, 20 °C, delivery form,<br>DIN 53211-4     | 120 - 200 s                       |
| Acid value, on solids, DIN EN ISO 3682              | 85 - 105                          |
| pH-value, DIN ISO 976                               | 7.5 - 8.5                         |
| Colour, Gardner, delivery form,<br>DIN ISO 4630     | max. 10                           |
| Density, 20 °C, DIN EN ISO 2811-1                   | 1.00 g/cm <sup>3</sup> ± 0.02     |
| <b>Delivery form</b>                                | 45% in water/Dowanol PnB 80 : 20  |

### Application and Properties:

W´Sol 31 C is a unique resin for the manufacture of water thinnable clear wood impregnation, pigmented and transparent stains and wood preservatives. 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 solids content very good and it is not sensible to frost. Pigments, extenders and matting agents can be dispersed on all common aggregates. The pH-value of wood preservatives based on W´Sol 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, eventually in combination with Activ 8 (Vanderbilt) have proved to be suitable.

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

### 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.