

Technical Leaflet

WorléeSol 84 C

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W´Sol 84 C is a short oil, water thinnable alkyd resin for stoving systems.

Technical Data:

Oil content	approx. 30%
Oil type	special fatty acids
Non volatile content, 1h/125 °C, DIN EN ISO 3251	44% ± 1
Neutralizer	dimethyl ethanolamine 1.5 - 2.0%
Viscosity, 20 °C, Brookfield, DIN EN ISO 2555	4,000 - 20,000 mPa·s
Density, 20 °C, DIN EN ISO 2811-1	approx. 1.06 g/cm ³
pH value, DIN ISO 976	6.7 - 8.5
Appearance	clear - opaque
Colour, Gardner, DIN ISO 4630	max. 10
Cosolvent content	1.0%
Delivery form	44% in water / butyl glycol

Application and Properties:

W´Sol 84 C has been developed for the manufacture of water thinnable stoving systems like primers, clear and top coats. The delivery form, 1% cosolvents, allows formulations with a total solvent content < 1%. As reactive partners for the curing range 140-180 °C methylated melamine resins like Cymel 303 (Cyanamid) and Maprenal MF 904 (BASF) have proved to be suitable. By the use of reactive melamin resins like Cymel 327 (curing temperature 120 - 140°C) the addition of approx. 3 % butyl glycol is necessary to get a better storage stability.

Recommended Storage and Transport Conditions:

5 to 25 °C
Protect from freeze and avoid from direct sunlight.

Alternative Products:

W´Sol 85A, 43% in water / butyl glycol is more reactive than W´Sol 84 C. The butyl glycol content is 5.5%.