

Technical Leaflet

WorléeSol 68 A

Art.-No. 111050-00685

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W´Sol 68 A is a silicone modified, air drying alkyd resin which is water thinnable after neutralization with ammonia or amines.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	75% ± 2
Appearance	opaque
Oil content	approx. 32%
Oil type	special fatty acids
Silicone content	approx. 25%
Flow time, 20 °C, 50% in butyl glycol, DIN 53211-4	50 - 100 s
Acid value, on solids, DIN EN ISO 3682	35 - 45
Colour, Gardner, 50% in butyl glycol, DIN ISO 4630	max. 10
Density, 20 °C, DIN EN ISO 2811-1	approx. 1.07 g/cm ³
Delivery form	75% in butyl glycol

Application and Properties:

W´Sol 68 A is especially suitable as the only binder for the manufacture of extremely high quality, water thinnable industrial paints. As neutralization agents ammonia, tri ethyl amine, DMAMP 80, AMP 90 (Angus) or similar can be used.

$$\text{wt. amine} = \frac{(\text{Mol.wt amine}) \times (\text{acid value}) \times (\text{wt resin solids})}{56.100}$$

For W´Sol 68 A the following drier addition is recommended:

0.05 - 0.15% Co
0.05 - 0.15% Mn for primers and coloured top coats
0.05% Co + 0.1 - 0.6% Zr for white pigmented systems
(all calculated as metal on solids)

W´Sol 68 A can also be used as a stoving binder. The suitable reaction partners are Cymel 303 (Cyanamid), Residrol WM 501 (Hoechst) or similar.



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pH value:

After production of the W´Sol paints the pH value has to be controlled and if necessary adjusted. Optimal properties are achieved at a pH range of 8.2 - 8.5.

Recommended Storage and Transport Conditions:

Up to 25 °C. Avoid direct sunlight.