

Technical Leaflet

WorléePol 191

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W´Pol 191 is an oil free, saturated and branched polyester resin, which is water thinnable after neutralization.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	80% ± 2
Flow time, 50% in butyl glycol, 20 °C, DIN 53211-4	45 - 70 s
Acid value, on solids, DIN EN ISO 3682	45 - 60
Colour, Gardner, 50% in butyl glycol, DIN ISO 4630	max. 10
Density, DIN EN ISO 2811-1	approx. 1.10 g/cm ³
OH-content, on solids	approx. 4.3%
Delivery form	80% in butyl glycol

Application and Properties:

W´Pol 191 is a reactive polyester resin for the manufacture of water thinnable stoving primers and top coats.

Primers based on W´Pol 191 have excellent adhesion and very good flexibility. W´Pol 191 in combination with methylated melamine resins is used for the manufacture of non yellowing high gloss stoving enamels with good chemical resistance. For the best can stability the pH-value should be adjusted to 8,0 - 8,5.

$$\text{wt. amine} = \frac{(\text{mol. wt. amine}) \times (\text{acid value resin solids}) \times (\text{wt. resin solids})}{56,100}$$

= 100% neutralization

Recommended Storage and Transport Conditions:

Up to 25 °C, avoid direct sunlight.