

Technical Leaflet

WorléeDur D 6311

Art.-No. 111024-00339

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WorléeDur D 6311 is an air drying, long-oil, modified epoxy ester for the manufacture of special anticorrosion and adhesion primers and one-coat paints.

Technical Data:

Appearance	clear to light opaque
Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 1
Acid value, on solids, DIN EN ISO 3682	max. 2
Colour, Gardner, DIN ISO 4630	max. 10
Viscosity, Rheometer, 20 °C, C 35/1°, 100 s ⁻¹	3,000 - 4,000 mPa·s
Density, 20 °C, DIN EN ISO 2811-1	approx. 0.89 g/cm ³
Delivery form	60% in dearomat. HC 140-165

Application and Properties:

WorléeDur D 6311 is especially suitable for the manufacture of universal primers, adhesion primers, anticorrosive primers and one-coat paints. Systems based on WorléeDur D 6311 show good application properties (brush application), good flow and good adhesion properties.

When formulating primers an optimal pigment-filler package should be observed.

One-coat paints based on WorléeDur D 6311 should be formulated with suitable light stabilizer for gloss retention and colour stability.

WorléeDur D 6311 is solved in a dearomatized solvent. In case of further dilution with aromatic free solvents like isoparaffines or dearomatized hydrocarbons low odour paint systems can be produced.

Compatibility:

WorléeDur D 6311 should not be combined with other binders. Adhesion properties could become worse.

Solubility:

WorléeDur D 6311 is soluble in all usual solvents. Special remark: good solubility in dearomatized hydrocarbons and isoparaffines.

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Drying:

Following driers are recommended for WorléeDur D 6311:

a) cobalt-containing

0.01 - 0.03% Co metal

0.08 - 0.15% Ca metal

(calculated on solid resin)

a) cobalt-containing

1.50 - 2.00% WorléeAdd 2560

0.10 - 0.15% Ca metal

(calculated on solid resin)

Shelf Life:

The storage stability of WorléeDur D 6311 in the originally closed barrel is at a storage temperature from +5 to +25 °C six months, counted from the day of the delivery ex works.