

Technical Leaflet

WorléeThix SD 6051

Art.- No. 111030-01289

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WorléeThix SD 6051 is a thixotropic long oil alkyd resin, mainly for the manufacture of primers, fillers, gloss paints and silk gloss paints.

Technical Data:

Non volatile content, 1h/125 °C, DIN ISO EN 3251	55% ± 2
Content of phthalic anhydride	approx. 23%
Oil type	special mixed fatty acids
Oil content	approx. 60%
Acid value, on solids, DIN EN ISO 2114	max. 15
Colour, Gardner, delivery form, DIN ISO 4630	max. 10
Viscosity, Rheometer, 20 °C, C 35/1, 391 s ⁻¹	2,500 - 4,000 mPa·s
Delivery form	55% in dearomat. HC 160 - 200

Compatibility:

WorléeThix SD 6051 is compatible with most medium and long oil air drying alkyd resins. It is also compatible with the common maleic and phenolic modified hard resins.

Solubility:

WorléeThix SD 6051 is soluble in all common solvents.

Application and Properties:

WorléeThix SD 6051 is especially recommended for primers, gloss paints and silk gloss paints as well as in thick layer anti corrosion systems.

All these paint systems show very good application properties while brushing rolling and spraying. W'Thix SD 6051 reduces sagging from vertical surfaces.

WorléeThix SD 6051 has an improved stability against polar solvents, matting agents and driers. Therefore W'Thix SD 6051 for example can also be used in colour paste systems.

WorléeThix SD 6051 can be combined with other alkyd resins like e.g.

- WorléeKyd S 351 (for silk gloss paints)
- WorléeKyd B 865 U (thick layer anti corrosion systems)
- WorléeKyd B 870 (for glossy decorative paints) etc.

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With the additional use of strong polar additives, strong polar after-treated matting agents and polar solvents please note that the content is not too high.

If the content reaches a too high level the thixotropy of W'Thix SD 6051 is reduced.

At a temperature of approx. 60 °C WorléeThix SD 6051 shows good pumping properties.

Driers:

Following driers are recommended for WorléeThix SD 6051:

0.10 - 0.20% Ca

0.05 - 0.07% Co

(metal calculated on solid alkyd resin)

Shelf Life:

The storage stability of WorléeThix SD 6051 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.