

Technical Leaflet

WorléeThix 670 hs

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W'Thix 670 hs is a thixotropic long oil alkyd resin, mainly for the manufacture of primers, fillers, gloss paints and silk gloss paints, **low VOC**. The proportion of renewable raw materials is about 41% in delivery form.

Technical Data:

Non volatile content, 1h/125 °C, DIN ISO EN 3251	70% ± 2
Content of phthalic anhydride	approx. 21%
Oil type	special mixed fatty acids
Oil content	approx. 61%
Acid value, on solids, DIN EN ISO 3682	max. 15
Colour, Gardner, delivery form, DIN ISO 4630	max. 10
Viscosity, 20 °C	thixotropic gel
Delivery form	70% in dearomatized HC 180 - 220

Compatibility:

W'Thix 670 hs 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:

W'Thix 670 hs is soluble in all common solvents.

Application and Properties:

Main application fields are high solid, solvent based, air drying primers, gloss paints, silk gloss paints and glazings for decorative paints, especially with regard to the stricter VOC limit values from 2010 on. W'Thix 670 hs can be used either as a sole binder or as an additional binder (e. g. in combination with W'Kyd SD 7003).

Paint systems with W'Thix 670 hs have a lesser flow tendency on vertical surfaces and exhibit especially good processing properties in spraying, rolling and coating.

W'Thix 670 hs is a soft gel which show easier incorporation in paint formulations.

WorléeThix 670 hs

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According to the required quantity of W'Thix 670 hs thixotropic or stronger thixotropic „non drip“ paint systems can be produced.

Under especial system parameters W'Thix 670 hs is pumpable at 50 °C.

W'Thix 670 hs has an improved stability against polar solvents, matting agents and driers. Therefore W'Thix 670 hs for example can also be used in colour paste systems.

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

If the content reaches a too high level the thixotropy of W'Thix 670 hs is reduced.

Driers:

Following driers are recommended for W'Thix 670 hs:

0.05 - 0.07% Co

0.10 - 0.20% Zr

0.10 - 0.20% Ca

(metal calculated on solid alkyd resin)

Storage:

The storage stability in the originally closed barrel is at a storage temperature from + 5 to + 25 °C 6 months, counted from the day of the delivery ex works.