

## Technical Leaflet

# WorléeThix MH 439

Art.-No. 111031-00477

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WorléeThix MH 439 is a short oil, thixotropic alkyd resin based on special fatty acids. The gel structure is temperature and polar solvents stable.

### Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 2
Content of phthalic anhydride	approx. 32%
Oil type	special fatty acids
Oil content	approx. 39%
Acid value, on solids, DIN EN ISO 2114	max. 25
Colour, Gardner, 50% in xylene, DIN ISO 4630	max. 10
Content of hard resin	approx. 7%
Viscosity, 20 °C	strong gel
<b>Delivery form</b>	60% in xylene

### Application and Properties:

WorléeThix MH 439 is an excellent thixotropic binder for fast drying and not sagging industrial primers and top coats. WorléeThix MH 439 is used for the production of thixotropic primers, top coats, hammer finish and other structured paints. By using WorléeThix MH 439 very good stability on vertical surfaces is achieved. The use of anti settling or gelling agents is not necessary.

Based on WorléeThix MH 439 in combination with reactive urea or melamine resins fast curing stoving systems (primers, top coats and structured paints) with stable rheology properties can be produced.

### Compatibility:

WorléeThix MH 439 is compatible with short oil and some medium oil alkyd resins. Also with some physically drying binders like vinyl-mixed polymerisates (e.g. Laroflex, BASF), chlorinated polypropylenes and chlorinated rubber (e.g. Pergut, Covestro).

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**Solubility:**

WorléeThix MH 439 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers, it is partially soluble in white spirit.

**Drying:**

Following driers are recommended for WorléeThix MH 439:

0.02 - 0.05% Co

0.05 - 0.08% Zr

0.10 - 0.30% Ca

(metal calculated on solid alkyd resin)

**Recommended Storage and Transport Conditions:**

Avoid direct sunlight, do not store above 30 °C.

**Shelf Life:**

The storage stability of WorléeThix MH 439 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.