



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 |
| Delivery form | 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).

The above declarations serve for information purposes only. In particular, they shall not be relevant to define binding specifications for any orders. With respect to any order, the specifications shall be governed by the provisions of the sales contract to be concluded between the parties (e.g. the "product specification"). Any deliveries are exclusively subject to our general standard terms and conditions in their respectively valid version. We will be happy to provide you with the general standard terms and conditions upon your request and

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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.

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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.