

Technical Leaflet

WorléeThix V 800

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W`Thix V 800 is a urethane modified long oil alkyd with a soft gel structure. The thixotropy is temperature and polar solvents stable.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	40% ± 1.5
Phthalic anhydride content	approx. 18%
Oil content	approx. 62%
Oil type	special fatty acids
Acid value, on solids, DIN EN ISO 3682	max. 10
Colour, Gardner, 40% in isoparaffin. HC 170 - 200, DIN ISO 4630	max. 6
Viscosity, 20 °C	soft thixotropic gel
Delivery form	40% in isoparaffin. HC 170 - 200

Compatibility:

W`Thix V 800 is compatible with most medium and long oil drying alkyd resins. It is also compatible with maleic and phenolic modified hard resins.

Solubility:

W`Thix V 800 is well soluble in nearly all solvents.

Application and Properties:

W`Thix V 800 is mainly used for the manufacture of thick layer coatings and lacquers (e.g. coating systems with electrostatic adjustment). Paints and lacquers based on W`Thix V 800 have very good brushability, excellent flow and also at thick layers very good through drying.

Wood glazing can be applied by only one spray application up to 200 microns dry film (e.g. window frames).

Due to the very good through drying, early stackability is achieved. Natural and artificial cold check tests have indicated long term elasticity.

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When paints or lacquers based on W`Thix V 800 are applied by conventional or airless spray, only water irrigated spraying cabinets are recommended as the spraying dust tends to self-ignition if it is dry.

Recommended Storage- and Transport Conditions:

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

Driers:

Following driers are recommended for W`Thix V 800:

Cobalt-containing:

0.04 - 0.06% Co

0.05 - 0.09% Zr

0.10 - 0.20% Ca

(metal calculated on solid alkyd resin)

Cobalt-free:

approx. 1% Nuodex Drycoat (Rockwood)
(on solid binder)

and in addition:

0.10 - 0.30% Ca

0.10 - 0.15% Zr

(Metal on solid binder)