

Technical Leaflet

WorléePol V 450

Art.-No. 111504-00189

Revision: 31.01.2022

WorléePol V 450 is a water thinnable, low viscous, high reactive polyester resin without amine addition. Main applications are acid curing oven cured coatings for paper and wood decoration foils.

Technical Data:

Acid value, DIN EN ISO 3682	max. 15
Colour, Gardner, DIN ISO 4630	max. 3
Viscosity, Rheometer, 25 °C, C 60/2°, 100 s ⁻¹	500 - 700 mPa·s
OH-content	approx. 8.5%
Delivery form	90% in water

Application and Properties:

For the manufacture of water thinnable, acid curing impregnations and lacquers for wood decoration foils WorléePol V 450 is combined with suitable amino resins.

WorléePol V 450 is used as a plasticizer. Due to the high reactivity it is possible to cure application quantities of approx. 25 g/m² wet film during 20 - 30 s at approx. 140 °C or 40 - 60 s at approx. 130 °C and excellent resistance properties are achieved. As an acid catalyst we recommend p-toluene sulfonic acid.

In comparison to WorléePol 808 are achieved:

- lower viscosity
- higher water tolerance
- higher reactivity and
- better can stability.

Recommended Storage and Transport Conditions:

+5 to +25 °C.

Protect from freezing and avoid direct sunlight.

Shelf Life:

The storage stability of WorléePol V 450 in the originally closed barrel is at a storage temperature from +5 to +25 °C three months, counted from the day of the delivery ex works.