

Technical Leaflet

WorléePol 808

Art.-No. 111501-00186

Revision: 21.01.2022

WorléePol 808 is a highly reactive, low viscous polyester, which is partially water thinnable without addition of amines. In combination with suitable amino resins WorléePol 808 serves as a plastification compound in water thinnable, acid curing or stoving finishes for paper, foils etc.

Technical Data:

| | |
|---|-------------------------------|
| Acid value, DIN EN ISO 3682 | max. 25 |
| Colour, Gardner, DIN ISO 4630 | max. 3 |
| Viscosity, Rheometer, 25 °C, C 35/1°, 100 s ⁻¹ | 15,000 - 25,000 mPa·s |
| Density, DIN EN ISO 2811-1 | approx. 1.2 g/cm ³ |
| Delivery form | solvent free |

Application and Properties:

WorléePol 808 can be used e.g. for the production of acid curing lacquers, for decorating foils together with suitable amino resins.

Because of the high reactivity of WorléePol 808 it is possible to cure wet films of 25 g/m² (usually roller application) within 20 - 30 s at 140 °C or 40 - 60 s at 130 °C. The cured film has outstanding resistance properties.

Another use of WorléePol 808, also in combination with suitable amino resins, is the production of high gloss, heat curing overprint varnishes and inks.

The resulting products show good wet and dry rub resistance, excellent gloss and good adhesion and fastness towards alkali and solvents.

Mixtures of WorléePol 808 and urea resins like Dynomin UM-15 (Dyno Cyanamid) can be cured very rapidly (in approx. 0.5 - 0.9 s) by IR-radiation (wave length 2800 nm).

Shelf Life:

The storage stability of WorléePol 808 in the originally closed barrel is at a storage temperature from +5 to +25 °C nine months, counted from the day of the delivery ex works.