

Technical Leaflet

WorléePol 808

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

Technical Data:

Colour, Gardner, DIN ISO 4630	max. 3
Acid value, DIN EN ISO 3682	max. 25
Density, DIN EN ISO 2811-1	approx. 1.2 g/m ³
Viscosity, 25 °C, DIN 53015	15,000 - 25,000 mPa·s
Delivery form	solvent free

Application and Properties:

W'Pol 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 W'Pol 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 W'Pol 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 W'Pol 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).