

Technical Leaflet

WorléeCryl 8025

Art.-No. 212054-01063

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Aqueous acrylic solution, free of emulsifier.

Technical Data:

Non-volatile content, 1h/125 °C, DIN EN ISO 3251	25% ± 1
Tg (calculated) glass transition temperature	approx. 48 °C
Acid value, on solids, DIN EN ISO 2114	approx. 78 mg KOH/g
Viscosity, Rheometer, 20 °C, C 60/2°, 30 s ⁻¹	max. 800 mPa·s
pH-value, DIN ISO 976	7.5 - 9.0
Density, 20 °C, DIN EN ISO 2811-1	approx. 1.02 g/cm ³
Freeze-thaw stability, ISO 1147	4 cycles
Delivery form	25% in water

Application and Properties:

WorléeCryl 8025 is a ready-to-use solution. It is ideally suited for the manufacture of flexographic- and gravure inks as well as overprint varnishes. It is especially recommended for systems where the use of flammable solvents should be avoided. With pigment preparations, e.g. based on WorléeCryl 8043, the product can be used excellently as varnish to reduce the alcohol content.

Its special properties include excellent pigment wetting- and dispersion properties, excellent printability for dot-sharp printing and outstanding adhesion properties on absorbent and coated papers. In addition, WorléeCryl 8025 has good dry rub resistance as well as good film properties and stability. Another feature is the easy cleaning of the print rollers.

The product is compatible with modified polystyrene, acrylic and methacrylic polymers. It can be processed together with modified colophony resins and most alkali-soluble natural resins.

WorléeCryl 8025 can be cross-linked with water thinnable melamine resins to form chemically resistant coatings. WorléeCryl 8025 is easily compatible with various pigments, pigment preparations, water soluble acid dyes and extenders. The pH-value should be adjusted to more than 7.

The good film properties can be further improved in blocking resistance and agent resistance by crosslinking with our WorléeAdd 8905 (alkaline ZnO solution).

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Shelf Life:

The storage stability of WorléeCryl 8025 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.