

Technical Leaflet

WorléeCryl 8025 M

Art.-No. 212054-01065

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Aqueous acrylic solution, free of emulsifier, neutralized by monoethanol-amine.

Technical Data:

Non-volatile content, 1h/125 °C, DIN EN ISO 3251, part 1	25% ± 1
Acid value, DIN EN ISO 2114	78 mg KOH/g polymer
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
Tg (calculated) glass transition temperature	48 °C
Freeze-thaw stability, ISO 1147	5 cycles
Delivery form	25% in water

Specific Characteristics:

Excellent pigment wetting- + dispersion properties.

Excellent printability.

Easy press cleanup.

Good dry rub resistance.

Outstanding adhesion properties on porous and coated papers.

Excellent film properties and stability.

Application and Properties:

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

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.

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WorléeCryl 8025 M can be cross-linked with water thinnable melamine resins to form chemically resistant coatings.

WorléeCryl 8025 M is easily compatible with various pigments, pigment preparations, water soluble acid dyes and extenders. The pH-value should be adjusted above 7.

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

Shelf Life:

The storage stability of WorléeCryl 8025 M 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.