

## Technical Leaflet

# WorléeCryl 8040

Art.-No. 212055-01068

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Aqueous acrylic solution, free of emulsifier.

### Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251, part 1	40% ± 1
Acid value, on solids, DIN EN ISO 3682	78
Viscosity, Brookfield, 20 °C, spindle 4/30, DIN EN ISO 2555	2,500 - 3,000 mPa·s
pH-value, DIN ISO 976	8 - 9
Density, 20 °C, DIN EN ISO 2811-1	approx. 1.02 g/cm <sup>3</sup>
Flash point, DIN EN ISO 2719	23 °C
Tg (calculated) glass transition temperature	48 °C
Freeze-thaw stability, ISO 1147	min. 5 cycles
<b>Delivery form</b>	40% in water / isopropanol 2:1

### Specific Characteristics:

Excellent pigment wetting and dispersion properties.

Excellent printability.

Easy press cleanup.

Good dry rub resistance.

Outstanding adhesion properties on porous and non-porous substrates.

### Application and Properties:

WorléeCryl 8040 is a ready-to-use solution. It can be used excellently for the manufacture of flexographic- and gravure inks and overprint varnishes.

WorléeCryl 8040 shows excellent compatibility with polystyrene-, acrylic- and methacrylic polymers.

Cross-linking with water soluble melamine resins provides chemical resistant coatings.

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The product also provides excellent compatibility with the most various pigments, pigment dispersions, water dilutable colourings and fillers. The pH-value should be adjusted above 7.

The excellent film properties of WorléeCryl 8040 can be further increased by cross-linking with WorléeAdd 8905 (alkaline ZnO-solution).

**Shelf Life:**

The storage stability of WorléeCryl 8040 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.