

Technical Leaflet

WorléeCryl 8410

Art.-No. 212055-00961

Revision: 14.07.05

Alkaline soluble acrylic emulsion.
Anionic emulsion system.

Technical Data:

Non volatile content 1h/125 °C, DIN EN ISO 3251, part 1	40% ± 1
pH - value DIN ISO 976	5 - 7
Density 20 °C, DIN EN ISO 2811-1	1.06 g/cm ³
Viscosity 20 °C, Brookfield spindle 1/30 rpm, DIN EN ISO 2555	max. 100 mPa·s
MFFT, ISO 2115 minimum film formation temperature	8 °C
Freeze-thaw stability DIN ISO 1147	protect from freezing!
Acid value (mg KOH/g polymer), DIN EN ISO 3682	73
Delivery form	40% in water

Outstanding Characteristics:

Low MFFT, therefore high flexibility.

Excellent compatibility with alcohols.

Excellent gloss.

Excellent adhesion on various substrates.

Fast dry.

Excellent pigment wetting properties.

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Properties and Application:

W`Cryl 8410 is excellently suitable as **sole vehicle** or **in combination with other W`Cryl emulsions** for the production of **aqueous flexographic- and gravure inks** and **overlay or overprint varnishes**.

The product is recommended for systems, in which the use of combustible solvents should be eliminated.

Due to its low MFFT and its flexibility W`Cryl 8410 is specially suitable for **aqueous adhesive solutions**.

W`Cryl 8410 shows excellent compatibility with polymers, rosins and resins. The product also provides excellent compatibility with the most various organic and inorganic pigments. The pH-value should be adjusted **>7**.

The excellent film properties of W`Cryl 8410 can be further increased by crosslinking with W`Add 8905 (alkaline ZnO-solution).

Matched **defoamers:** Defoamer WO 145, 146 (Worlée)

Matched **slip agents:** W`Wax 8510, W`Add 327, Resiflow W 51, 52 or ZINPOL 14 (Worlée).

The storage stability in the originally closed barrel is at a storage temperature from + 5 to + 40 °C six months, counted from the day of the delivery ex works.