

Technical Leaflet

WorléeCryl A 2230 W

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W'Cryl A 2230 W is a hydroxy functional aqueous acrylic resin.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251, part 1	44% ± 2
Viscosity, Rheometer, 20 °C, C 60/2°, 30 s ⁻¹	max. 6,000 mPa·s
Hydroxyl content, on solids	approx. 3.0%
pH - value, DIN ISO 976	7 - 9
Acid value, on solids, DIN EN ISO 3682	< 35
Neutralisation	approx. 1.5% dimethyl ethanol amine
Delivery form	44% in water : butyl glycol : aromat. HC 155 - 180, org. solvent = 6%

Application and Properties:

W'Cryl A 2230 W is a water emulsified hydroxyacrylate for the production of outdoor resistant isocyanate cross-linked two component top coats with outstanding drying properties, film hardness and gloss.

The isocyanate should be diluted with a solvent before mixing.

Compatibilities:

Easaqua X L 600	(Vencorex)	+
Bayhydur 3100	(Bayer)	+

Crosslinking:

The necessary equivalent quantity of polyisocyanates to be added can be calculated according to the following formula :

$$\text{Quantity polyisocyanate} = \frac{42 \times \% \text{ OH}}{17 \times \% \text{ NCO}} \times 100$$

(42 = molecular weight of NCO-group)

(17 = molecular weight of OH-group)

At aqueous two component lacquers should be worked with a surplus of 20 - 30%.

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Storage Stability:

A storage temperature of + 5 to + 25 °C is recommended as W´Cryl A 2230 W is an aqueous binder. Protect from freeze!