

## Technical Leaflet

# WorléeCryl A 2445

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W´Cryl A 2445 is an acrylic resin which can be crosslinked with polyisocyanates.

### Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 1
Viscosity, Brookfield, 23 °C, spindle 4/10 rpm, delivery form, DIN EN ISO 2555	3,000 - 5,000 mPa·s
Hydroxyl value, on solids, DIN EN ISO 4629	149 ± 10
Hydroxyl content, on solids	approx. 4.5%
Glass transition temperature	52 °C
Colour, Gardner, delivery form, DIN ISO 4630	approx. 1
Acid value, on solids, DIN EN ISO 3682	5 -10
Flash point, DIN EN ISO 2719	25 °C
<b>Delivery form</b>	60% in xylene / arom. HC 155 - 180 / butyl acetate 2 : 1 : 1

### Application and Properties:

W´Cryl A 2445 is a hydroxyfunctional acrylic-copolymer for the manufacture of high quality 2 component top coats.

Paints based on W´Cryl A 2445 show excellent resistances against weather and chemicals. A wide range of application is given, especially for the coating of industrial and construction machines, earth moving machines etc. Also for formulating car repair finishes this resin can be used.

### Compatibility:

Tolonate HDB*	+
Tolonate HDT LV*	+
Desmodur L (Bayer)	+
CAB	partly compatible

WorléeCryl A 2445

2

**Dilutibility / Solvent:**

Benzines	-
Aromates	+
Esters	+
Ketones	+
Glycol ester	+
Alcohols	-

**Crosslinking / Catalysation:**

For 100% transfer for 100 g W´Cryl A 2445, 60% is needed:

40.9 g	Tolonate HDB* 75
29.2 g	Tolonate HDT -LV*
48.3 g	Desmodur L 75

The needed equivalent additional quantity of polyisocyanates can be generated according to the following formula:

$$\text{Polyisocyanate quantity} = \frac{42 \times \% \text{ OH}}{17 \times \% \text{ NCO}} \times 100$$

(42 = molecular weight of the NCO-group)  
(17 = molecular weight of the OH-group)

The hardening of W´Cryl A 2445 can be accelerated by addition of DBTL, zinc octoate and diethanol amine. Please note the shorter pot life.

**Pigmentation:**

W´Cryl A 2445 is pigmentable with all neutral non aqueous pigments and fillers.

\* Tolonate is a product of Vencorex. Distribution for Austria, Germany and Switzerland by Worlée-Chemie GmbH.\*