

Technical Leaflet

WorléeCryl A 2445

Art.-No. 112001-06219

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WorléeCryl A 2130 is an acrylic resin which can be cross-linked with poly-isocyanate.

Technical Data:

Non-volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 1
Acid value, on solids, DIN EN ISO 3682	5 - 10
Colour, Gardner, DIN ISO 4630	approx. 1
Viscosity, Rheometer, 23 °C, C 60/2°, 50 s ⁻¹	3,000 - 5,000 mPa·s
Hydroxyl number, on solids, DIN EN ISO 4629	149 ± 10
Hydroxyl content, on solids	approx. 4.5%
Flash point, DIN EN ISO 2719	25 °C
Glass transition temperature	52 °C
Delivery form	60% in xylene / aromat. HC 155-180 / butyl acetate 2 : 1 : 1

Application and Properties:

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

Paints based on WorléeCryl 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	+
CAB	partly compatible

WorléeCryl A 2445

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Solubility:

Benzines	-
Aromatics	+
Esters	+
Ketones	+
Glycol esters	+
Alcohols	-

Cross-linking / Catalysing:

For 100% transfer for 100 g WorléeCryl A 2445 is needed:

40.9 g Tolonate HDB*

29.2 g Tolonate HDT LV*

48.3 g Desmodur L 75

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

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

(42 = molecular weight of NCO-group)

(17 = molecular weight of OH-group)

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

Pigmentation:

WorléeCryl A 2445 is pigmentable with all neutral non aqueous pigments and fillers.

Shelf Life:

The storage stability of WorléeCryl A 2445 in the originally closed barrel is at a storage temperature from +5 to +25 °C twelve months, counted from the day of the delivery ex works.

*Tolonate is a product of Vencorex. Distribution for Denmark, Finland, Sweden and Norway as well as for Austria, Switzerland and Germany by Worlée-Chemie GmbH.