

Technical Leaflet

WorléeCryl A 2130

Art.-No. 112001-05656

Revision: 26.01.2022

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

Technical Data:

Non-volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 1
Acid value, on solids, DIN EN ISO 3682	3 - 6
Colour, Gardner, DIN ISO 4630	approx. 1
Viscosity, Rheometer, 20 °C, C 35/1°, 100 s ⁻¹	3,500 - 7,000 mPa·s
Hydroxyl number, on solids, DIN EN ISO 4629	approx. 99
Hydroxyl content, on solids	3.0%
Flash point, DIN EN ISO 2719	25 °C
Glass transition temperature	57 °C
Delivery form	60% in xylene / aromat. HC 155-180 / butyl acetate 2 : 1 : 1

Application and Properties:

WorléeCryl A 2130 is combined with aliphatic polyisocyanates in air and forced drying 2 component paints for industrial application with good mechanical properties as well as chemical and weather resistance. Main applications are 2 component primers, top coats and one coat systems with brilliant gloss and high body.

Compatibility:

Tolonate HDB*	+
Tolonate HDT LV*	+
Desmodur L	+
Vestanat T 1890 E	+

Solubility:

Benzines	-
Aromatics	+
Esters	+
Ketones	+

WorléeCryl A 2130

2

Glycol esters +
Alcohols -

Cross-linking / Catalysing:

For 100% transfer for 100 g WorléeCryl A 2130 is needed:

27.3 g Tolonate HDB*
19.4 g Tolonate HDT LV*
32.1 g Desmodur L 75
37.1 g Vestanat T 1890 E

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 2130 can be accelerated by addition of DBTL, zinc octoate and diethanolamin. Please note the shorter pot life.

Pigmentation:

WorléeCryl A 2130 is pigmentable with all neutral non aqueous pigments and fillers.

Shelf Life:

The storage stability of WorléeCryl A 2130 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.