



**Technical Leaflet** 

# WorléeCryl A 1320

Art.-No. 112001-00072

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WorléeCryl A 1320 is an acrylic resin which can be cross-linked with polyisocyanate.

### **Technical Data:**

Non-volatile content, 1h/125 °C, DIN EN ISO 3251	50% ± 1
Acid value, on solids, DIN EN ISO 2114	8 - 12
Colour, Gardner, 50% in butyl acetate DIN ISO 4630	approx. 1
Viscosity, Rheometer, 20 °C, C 60/2°, 30 s <sup>-1</sup>	2,000 - 3,000 mPa·s
Hydroxyl number, on solids, DIN EN ISO 4629	approx. 66
Hydroxyl content, on solids	2.0%
Flash point, DIN EN ISO 2719	approx. 26 °C
Glass transition temperature	63 °C
Delivery form	50% in butyl acetate 98/100

#### **Application and Properties:**

WorléeCryl A 1320 is an acrylic copolymer for the manufacture of high quality wood and furniture lacquers.

Also in top coats a brilliant haze-free gloss will be provided.

#### Compatibility:

Tolonate HDB* Desmodur L Desmodur HL Nitrocellulose Cellulose acetobutyrate WorléePol 6625	+ + partly compatible + +
Solubility:	
Benzines Aromatics	- +

The above declarations serve for information purposes only. In particular, they shall not be relevant to define binding specifications for any orders. With respect to any order, the specifications shall be governed by the provisions of the sales contract to be concluded between the parties (e.g. the "product specification"). Any deliveries are exclusively subject to our general standard terms and conditions in their respectively valid version. We will be happy to provide you with the general standard terms and conditions upon your request and they can be downloaded online at http://www.worlee.de/GSTC





WorléeCryl A 1320

2

Esters	+
Ketones	+
Glycol ethers, -esters	+
Alcohols	-

## **Cross-linking / Catalysing:**

For 100% transfer for 100 g WorléeCryl A 1320, 50% is needed:

15.1 g Tolonate HDB\* 75 21.5 g Desmodur L 67 23.6 g Desmodur HL

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

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 curing of WorléeCryl A 1320 can be accelerated by incorporating DBTL, zinc octoate, diethanolamin. The shortened pot life has to be considered.

## Pigmentation:

WorléeCryl A 1320 is pigmentable with all neutral, water-free pigments and fillers.

#### Shelf Life:

The storage stability of WorléeCryl A 1320 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.