

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 ⁻¹	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	partly compatible
Nitrocellulose	+
Cellulose acetobutyrate	+
WorléePol 6625	+

Solubility:

Benzines	-
Aromatics	+

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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:

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

(42 = molecular weight of NCO-group)

(17 = molecular weight of OH-group)

The 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.