

Technical Leaflet

WorléeCryl A 2141

Art.-No. 112001-08446

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W'Cryl A 2141 is an acrylic resin which can be crosslinked with polyisocyanates.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	70% ± 1
Viscosity, Brookfield, 23 °C, delivery form, spindle 4/ 4 rpm, DIN EN ISO 2555	25.000 - 35.000 mPa·s
Hydroxyl value, on solids, DIN EN ISO 4629	approx. 135 mg KOH/g
Hydroxyl content, on solids	4.1%
Glass transition temperature	38 °C
Colour, Gardner, delivery form, DIN ISO 4630	max. 1
Acid value, on solids, DIN EN ISO 3682	5 - 15 mg KOH/g
Flash point, DIN EN 22719	26 °C
Delivery form	70% in butyl acetate

Application and Properties:

W'Cryl A 2141 is an acrylate polymer for the production of high quality industrial paints. Such two component lacquers are high-solid systems. Even dried at room temperature you get coatings which show outstanding gloss, hardness, chemical- and weather-resistance.

Application fields for W'Cryl A 2141 are high solid paints for facade elements, caravans and plastics.

Compatibility:

Tolonate HDB*		+
Desmodur L	(Bayer)	+
Vestanat T 1890	(Creanova)	+
E		

WorléeCryl A 2141

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Dilutibility / solvent:

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

Crosslinking / Catalization:

For 100% crosslinking per 100 g W'Cryl A 2141, 70% is needed:

43.3 g	Tolonate HDB* 75
31.0 g	Tolonate HDT -LV*
55.5 g	Desmodur L
59.5 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)

If the crosslinking should be accelerated it is recommended to add DBTL, zinc octoate and diethylethanol amine. The shortened pot life has to be considered.

Pigmentation:

W'Cryl A 2141 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.*