

## Technical Leaflet

# WorléeCryl A 2218

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W`Cryl A 2218 is a styrene acrylic resin which can be crosslinked with polyisocyanates.

### Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	50% ± 1
Viscosity, Brookfield, 20 °C, delivery form, DIN EN ISO 2555	500 - 2.000 mPa·s
Hydroxyl number, on solids, DIN EN ISO 4629	approx. 58
Hydroxyl content, on solids	1.8%
Glass transition temperature ( Tg )	34 °C
Colour, Gardner, delivery form, DIN ISO 4630	approx. 1
Acid value, on solids, DIN EN ISO 3682	< 7
Flash point, DIN EN ISO 2719	approx. 25 °C
<b>Delivery form</b>	50% in xylene / butyl acetate (9 : 1)

### Application and Properties:

W`Cryl A 2218 is preferred for the formulation of very fast drying primers, fillers and top coats for steel and plastics.

In combination with aliphatic polyisocyanates a good adhesion on aluminium, zinc steel and other difficult substrates like PUR- foams is achieved.

### Compatibility:

Tolonate HDB* (Vencorex)	+
Desmodur L (Bayer)	+

### Solubility:

aliphatics	-
aromatics	+
esters	+
ketones	+
glycol ethers, -esters	+
alcohols	-

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**Crosslinking / Catalization:**

For 100% crosslinking per 100 g W´Cryl A 2218, 50%

13.2 g Tolonate HDB 75\* (Vencorex) is required.

The necessary equivalent quantity of polyisocyanates to be added 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 a small amount of organic tin or zinc compounds or tertiary amines (we recommend 1% solution of diethylethanol amine in xylene). The shortened pot life has to be considered.

**Pigmentation:**

W´Cryl A 2218 is pigmentable with all neutral, water-free pigments and fillers.

**Durability:**

Stored in original packaging and at room temperature W´Cryl-hydroxyl acrylates have a durability of 12 months.

\* Tolonate is a product of Vencorex. Distribution for Austria, Germany and Switzerland by Worlée-Chemie GmbH.