

WorléeCryl A 2241 W (VP-U 1537/39)

Art.-No. 112050-11497

Description

W'Cryl A 2241 W is a hydroxy functional aqueous acrylic resin.

Technical Data

Non volatile content, 1h/125 °C, DIN EN ISO 3251, part 1	45% ± 2
Viscosity, Brookfield, 20 °C, spindle 4/5 rpm, DIN EN ISO 2555	max. 25,000 mPa·s
Hydroxyl content, on solids	approx. 4.1%
pH - value, DIN ISO 976	7 - 9
Acid value, on solids, DIN EN ISO 3682	< 35
Neutralisation	approx. 1.5% dimethyl ethanol amine
Delivery form	45% in water : butyl glycol : arom. HC 155 - 180, org. solvent = 7.5%

Application and Properties

W'Cryl A 2241 W is a water emulsified hydroxyacrylate for the production of isocyanate cross-linked outdoor resistant two component top coats which exhibit long pot-life, high gloss and good adhesion properties.

The isocyanate should be diluted with a solvent before mixing.

Compatibilities

Rhodocoat WT 2102	(Rhodia)	+
Bayhydur 3100	(Bayer)	+

Crosslinking

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

$$\text{Quantity polyisocyanate} = \frac{42 \times \% \text{ OH}}{17 \times \% \text{ NCO}} \times 100$$

(42 = molecular weight of NCO-group)

(17 = molecular weight of OH-group)

At aqueous two component lacquers should be worked with a surplus of 20 - 30%.

Storage Stability

As this is a trial product there are no long term stabilities available. A storage temperature of + 5 to + 25 °C is recommended as W`Cryl A 2241 W is an aqueous binder. Protect from freeze!

Protective Rights

In complements to our General Standard Terms and Conditions (GSTC) we would like to point out that the European Patents EP 0358 979 and EP 0 557 844 of Bayer AG have to be observed when using W`Cryl A 2241 W. The use of W`Cryl A 2241 W or other polyols in accordance with the valid patent claims of these patents is only permissible with the consent of Bayer AG. This consent is deemed to be provided if the polyisocyanate component is purchased from a raw material supplier licensed by Bayer AG as for instance Rhodia SA or directly from Bayer AG. The isocyanates of Rhodia SA are sold by Worlée-Chemie GmbH in Germany, Austria, Switzerland and in Poland. Further documentation can be provided on request.