

## BILACRYL PU D11 2C-PUR Top Coat, Gloss

### Product Description

High quality lead and chromate free 2-pack top coat with very good colour and gloss retention as well as chalking resistance. Resistant to water, diluted acids and chemicals. Excellent abrasion and impact resistance and flexural strength. Sustained thermal resistance up to 120 °C dry heat. Included on Basle Standard Admissions List (BN 108), level W.

### Areas of Application

Top coat for light-fast and weather-resistant coatings on steel constructions, vehicles (lorries), cable cars, rail vehicles, machinery, apparatus and instruments.

### Application and Thinning

Conventional, electrostatic and airless spraying. Brushing of smaller areas is possible.

For better spray mist absorption when applying to large areas, the use of V48 thinner is recommended.

Do not apply at temperatures below + 5 °C. Surface temperature must be at least 3 °C above dew point to prevent condensation during application.

Can be recoated with BILACRYL PU D11 after 6 hours at 20 °C. If allowed to dry out completely (over 4 days) the first coat will need superficial sanding.

Application Method	Thinning	Nozzle	Pressure
Conventional spraying	approx. 20 % V2 to 20 - 25° DIN 4	1.5 - 1.8 mm	3 - 4 bar
Electrostatic spraying	approx. 20 % V109 to 20 - 25° DIN 4	Depending on object	
Airless	up to 5 % V2	Narrow 211 Medium 411 Wide 611	

### Special Notes

H3 Hardener is **moisture-sensitive**.

Our data are based on a dry coat thickness of approx. 60 µm in the case of primers, and approx. 40 µm in the case of top coatings, standard climate 23/50 DIN 50014.

The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may influence the results significantly. Our guarantee covers only the quality of the material delivered. We do not undertake any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore please note date of issue of our technical data sheet and ask for latest edition.

### Safety Measures

BILACRYL PU D11 contains solvents and is combustible, therefore protect from heat and keep away from naked flames. Sufficient air circulation must be provided. Do not inhale vapours. All regulations regarding work hygiene and operational measures must be observed.

### Technical Data

<b>Binder</b>	2-C Acrylate-Isocyanate
<b>Finish</b>	Glossy
<b>Colour</b>	Shade cards RAL, NCS or sample
<b>Substrate</b>	2-component primers, e.g. - DUOPOL EP C100 - BILADUR EP C90 - VERNIT EP C400 - BILACRYL PU C160 - DUOPOL EP D253 (intermediate coat) - AMERLOCK 400 AL + COLOR  The surface must be dry and free of grease and dust.  To achieve a good coverage property with the lead free yellow, orange and red colours, we recommend the use of a white primer.
<b>Thinner</b>	V2, V109  The use of other thinners can lead to defects and loss of quality.
<b>Packaging</b>	Pigment: 5 / 10 kg disposable cont. Hardener: 1 / 2 kg disposable cont.
<b>Storage</b>	Pigment components 12 months, hardener 6 months in original, unopened containers at 20 °C.
<b>Waste disposal</b>	Residues and expired material are considered as special refuse and are to be taken to the toxic waste disposal unit, VeVa-code 08 01 11.

<b>Components Hardener</b>	2 H3
<b>Mixing ratio</b>	5 : 1 wt.-parts
<b>Potlife</b>	approx. 8 hrs. at 20 °C
<b>Drying (23 °C)</b>	Dust-dry approx. 30 min. Dry to touch approx. 4 hours Transportable approx. 24 hours  Drying times depend on film thickness, substrate and air temperatures.
<b>Forced drying</b>	Possible after 10 min. flash-off time, e.g. 30 min. @ 80 °C

<b>Solids content</b>	By weight: approx. 66 %	} mixture, } white
<b>Density (20 °C)</b>	By volume: approx. 58 % approx. 1.2 kg/	
<b>Theoretical consumption</b>	approx. 85 g/m <sup>2</sup> @ 40 µm	

	BILACRYL PU D11	Hardener H3	V2	V109
<b>Flash point</b>	25 °C	38 °C	- 4 °C	27 °C
<b>UN-No.</b>	UN-free	UN-free	1263	1263
<b>Danger class RID/ADR</b>	free	free	3 II	3 III
<b>VOC value</b>	35 %	27,5 %	100 %	100 %

(replaces issue 05.07)

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