

# BILACRYL® PU D12

## 2C-PUR, textured top-coat

### Product description

High quality two-pack textured top-coat. Excellent chemical and mechanical characteristics. Resistant to hand perspiration, weak acids, chemicals and water. Excellent light fastness and weather resistance. The finally cured coating is hard, flexible, abrasion resistant, dirt repelling and easy to maintain. Thermal durability at 120 °C dry.

### Areas of application

Top-coat textured for high quality products, meeting highest demands.

Machine parts, casings, ticket-machines, letterboxes, elevators, office furniture, TV- and HIFI-equipment, car fittings, car parts, etc.

### Application and Addition of Thinner

Pressure tank or pressure cup gun (also suitable for two pack mixing equipment).

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

After mixing with curing agent H2 the reaction will start, whereby with the enduring of potlife the viscosity will rise. To obtain a regular structure you have to adapt the spraying parameters to match the changed viscosity.

Application	Thinning	Nozzle	Pressure
Pressure tank			
Rough texture	1,0 - 1,5 bar	1,2 - 1,8 mm	3 - 4 bar
Fine texture	1,5 - 2,5 bar	1,0 - 1,5 mm	

### Special note

Hardener H2 is **moisture-sensitive**.

Our instructions are referring to normal climate 23/50. 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 have a significant impact on the results. Our guarantee covers only the quality of the material supplied. We do not accept any responsibility for the application. In case of doubt, we recommend to contact our Technical Service. Our products are under constant development. Therefore, please note the date of issue of our technical data sheet and ask for latest edition (also available directly from our website).

### Safety measures

Bilacryl PU D12 contains solvents and is combustible. Protect from heat and keep away from naked flames. Ensure that ventilation is adequate. Do not inhale vapours. The Safety Data Sheet as well as the general regulations regarding work hygiene and operational measures must be observed.

### Technical data

<b>Binder</b>	2C Acrylate-Isocyanate
<b>Finish</b>	Satin gloss, satin matt
<b>Color</b>	Color cards RAL, NCS or sample
<b>Substrate</b>	Two pack primers, e.g. - Duopol Steelguard C80 - Biladur EP C90 - Vernit EP C400 - Bilacryl PU C160 - Duopol EP D253 (mid coat) The substrate must be dry, 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</b>	2
<b>Hardener</b>	H2
<b>Mixing ratio</b>	5 : 1 weight-parts
<b>Potlife</b>	approx. 4 hours at 20 °C
<b>Drying (20 °C)</b>	Dust-dry ca. 30 min. Dry to touch ca. 4 hours Transportable ca. 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. 68 %	} mixture, } white
<b>Density (20 °C)</b>	by volume: approx. 57 % approx. 1,3 kg/l	
<b>Theoretical consumption</b>	approx. 100 g/m <sup>2</sup> @ 40 µm	

	Bilacryl PU D12	Hardener H2	V2	V109
<b>VOC value</b>	31 %	44 %	100 %	100 %

(replaces issue 03.17)

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