

# BILACRYL® PU C160

## 2C PUR Primer and Filler

### Product Description

High-quality and rapidly overcoatable 2C-PUR primer with good sanding properties and high corrosion resistance. Can be overcoated with a variety of 1C- and 2C-top coats.

### Areas of Application

Primer for steel constructions, equipments of the chemical industry, vehicles and machines.

Highly suitable as intermediate coat for optimal top coat finish. Filler for high-grade plastic products, such as machine parts and casings, shower cabins, bathroom equipment, office furniture, car accessories.

### Application and Addition of Thinner

Conventional, airless and electrostatic spraying.

Processing temperature not below + 5 °C to avoid condensation during the application.

After a drying time > 7 days, the primed surfaces must be sanded prior to overcoating. Mould release agents should be removed with suitable cleaners. PVC must be cleaned with Thinner V102.

### Thinning

V101 for plastic / V2, V109 for metallic substrates

Application	Thinning	Nozzle	Pressure
Conventional Spraying	15 - 20 % V2 to 20 - 25" DIN 4	1.5 - 1.8 mm	3 - 4 bar
Elektrostatic Spraying	10 - 15 % V109 to 25 - 30" DIN 4	depending on equipment	
Airless Airmix	5 - 10 % V2 10 - 15 % V2	small 2/12 large 4/12	
Rolling	5 - 10 % V109	mohair roller	

### Special Notes

H4 Hardener 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 C160 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>	Polyurethane-Acrylate
<b>Finish</b>	Matt
<b>Pigmentation</b>	Zinc phosphate
<b>Color</b>	White
<b>Substrate</b>	Sandblasted steel according to ISO 8501-1, Sa 2 ½. Steel, pickled iron, aluminium (chromatized for exterior use). Many hard plastics (PUR-rigid foam, Epoxy, Polyester, PVC). Primed and filled areas. The substrate must be dry, free of grease and dust. Mould release agents must be removed. Remove abrasive residue and dust from surface. Recoat as soon as possible after blast cleaning to prevent flash rust.
<b>Thinner</b>	V2, V109, V101, V102 The use of other thinners can result in defects and quality impairment.
<b>Packaging</b>	Pigment: 10 kg disposable container Hardener: 1 kg disposable container
<b>Storage</b>	Pigment 12 months, hardener 6 months in unopened, original containers at 20 °C.
<b>Waste disposal</b>	Residues are considered as special refuse and must be treated as such, VeVa-code 08 01 11.

<b>Components</b>	2
<b>Hardener</b>	H4
<b>Mixing ratio</b>	10 : 1 wt.-parts
<b>Potlife</b>	approx. 3 hours at 20 °C
<b>Hardener for plastic</b>	H9
<b>Mixing ratio for plastic</b>	20 : 1 wt.-parts
<b>Drying (23 °C)</b>	Dust-free approx. 10 min. Dry to touch approx. 30 min. Sandable after approx. 6 hours Drying times depend on film thicknesses, substrate and air temperatures.
<b>Forced drying</b>	Possible after <b>30 minutes</b> evaporation, e.g. 30 minutes @ 80 °C, <b>1 hour @ 60 °C</b>

<b>Solids content weight-%</b>	approx. 71,5 %	} Mixture, white with H4
<b>Solids volume Density (20 °C)</b>	approx. 55 % approx. 1,5 kg/l	
<b>Max. dry film thickness</b>	max. 150 µm	
<b>Theoretical consumption</b>	approx. 220 g/m² @ 80 µm	

	Bilacryl PU C160	H4	H9	V2, V109, V101, V102
<b>VOC value</b>	29 %	55 %	28 %	100 %

(replaces issue 03.23)

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