

# BILADUR® EP D251

## 2C-EP Top coat gloss, satin gloss self-forming texture

### Product Description

2-component epoxy top coat for interior use with good chemical and mechanical properties. Resistant to alkaline and acid solutions, sweat from hands, water, oils and chemicals. The hardened coating is very abrasion-resistant. Sustained thermal resistance up to 140 °C dry heat. The gloss level is determined with the hardener.

### Areas of Application

Top coat for machinery and apparatus construction as well as chemical and waste utilization plants.

### Application and Addition of Thinner

Conventional and airless spraying.

Do not apply at temperatures below + 10 °C. Surface temperature must be at least 3 °C above dew point to prevent condensation during application.

Can be recoated with Biladur EP D251 after 15 hours at 20 °C. If allowed to dry out completely (over 4 days) the first coat will need superficial sanding.

Application Method	Thinning	Nozzle
Conventional Spraying	approx. 20 % V2 to 20 - 25 sec. DIN 4	1.5 - 1.8 mm
Airless spraying	up to 1 % V2	narrow 211/213 medium 411/413 wide 611/613
Electrostatic spraying	approx. 20 % V2 to 20 - 25 sec. DIN 4	depending on installation

### Special Notes

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 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

Biladur EP D251 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>	2-Component Epoxy resin
<b>Finish</b>	High gloss, satin gloss
<b>Color</b>	Color cards RAL, NCS or sample
<b>Substrate</b>	2-component Primers, e.g. - Bilacryl PU C160 - Biladur EP C90 - Duopol Steelguard C80 - Vernit EP C400 - Duopol Z60 1-C Primers on request only. The substrate must be dry and free of grease and dust.
<b>Thinner</b>	V2 The use of other thinners may lead to defects and loss of quality.
<b>Packaging in disposable containers</b>	Pigment: 3 / 9 kg Hardener A: 1 / 3 kg Hardener B: 3 / 9 kg Hardener C: 1.5 / 4.5 kg
<b>Storage</b>	Pigment components 6 months, hardener 12 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 and Mixing Ratio (MR)</b>	Hardener A: MR 3:1 Gloss Hardener B: MR 1:1 Satin gloss + texture Hardener C: MR 2:1 Texture, with silicone
<b>Potlife</b>	approx. 8 hrs. at 20 °C
<b>Drying (23 °C)</b>	Dust-dry approx. 2 hours Dry to touch approx. 4 - 6 hours Transportable approx. 24 hours Drying times depend on film thickness, substrate and air temperatures.
<b>Forced drying</b>	Possible, e.g. 30 min. @ 80 °C

<b>Solids content wt-% Mixture, white</b>	approx. 70 % with Hardener A approx. 75 % with Hardener B approx. 72 % with Hardener C
<b>Solids volume Density (20 °C)</b>	approx. 62 % mixture, white, Hardener A approx. 1.5 kg/l mixture, white
<b>Theoretical Consumption</b>	97 g/m <sup>2</sup> @ 40 µm

	Biladur EP D251	Hard. A	Hard. B	Hard. C	V2
<b>VOC value</b>	30 %	59 %	23 %	46 %	100 %

(replaces issue 07.20)

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