

# DUOPLAST® U232/U242/U252

## 2C-PUR Textured Paint

(self-forming)

<b>Product range</b>	
<b>Duoplast U232</b>	matt
<b>Duoplast U242</b>	satin matt
<b>Duoplast U252</b>	satin gloss

### Product Description

High quality two-pack textured paint, specially developed for painting challenging objects. Very good chemical and mechanical properties. Resistant to hand perspiration, weak acids and chemicals. Very good light fastness and weather resistance. The hardened coating is tough, flexible, abrasion-resistant, dirt-repellant and easy to maintain.

### Areas of Application

Textured paint for high quality products of the plastics and metal-working industries, which must fulfill the highest standards, such as machine parts, cabinets, ticket vending machines, letterboxes, lifts/elevators, office furniture, TV and HiFi equipment, car accessories and components.

### Application

Spraying with pressure tank or pressure cup gun (1.8 mm nozzle).

Is also suitable for 2C mixing equipment.

#### Plastics

Do not apply at temperatures below + 5 °C.

Mould release agents must be removed with suitable cleaners. For high quality surfaces precoat with Duoplast U50/U550.

PVC must be rinsed with V102 thinner before coating. For painting PVC, Duoplast U242/U252 should be diluted with V102 thinner.

### Addition of Thinner

With the addition of hardener H3, Duoplast U232/U242/U252 is ready to spray. If needed, up to 5 % of V101, V102 or V2 thinner can be added.

### Special Notes

Hardener H3 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

Duoplast U232/U242/U252 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>	Two-pack polyurethane
<b>Finish</b>	U232 matt U242 satin matt U252 satin gloss
<b>Color</b>	Color card RAL, NCS or sample.
<b>Substrate</b>	Duoplast U50/U550 Biladur EP C90 Duopol Steelguard C80 Bilacryl PU C160 Further, synthetics like polyurethane hard foam, polyester, PVC, and pretreated polyethylene and polypropylene. Mould release agents must be removed. The substrate must be dry and free of grease and dust.
<b>Thinner</b>	V101 or V102, V2 (The use of other thinners may lead to defects and loss of quality.)
<b>Packaging</b>	Pigment: 5 / 10 / 20 kg disposable cont. Hardener: 1 / 2 / 4 kg disposable cont.
<b>Storage</b>	Pigment 12 months, hardener 6 months in original, unopened containers stored at 20 °C.
<b>Waste disposal</b>	Residues and expired material are considered as special refuse and must be taken to the toxic waste disposal unit, VeVa-code 08 01 11.

<b>Components</b>	2
<b>Hardener</b>	H3
<b>Mixing ratio</b>	5 : 1 wt.-parts
<b>Potlife</b>	approx. 8 hours at 20 °C
<b>Drying (23 °C)</b>	Dust-dry approx. 50 min. Dry to touch approx. 70 min. Transportable approx. 24 hours
<b>Forced drying</b>	Drying times depend on film thickness, substrate and air temperatures. Possible, e.g. 30 min. @ 80 °C

<b>Solids content</b>	by weight : approx. 60 %	} mixture, } white
<b>Density (20 °C)</b>	by volume: approx. 50% approx. 1.15 kg/l	
<b>Recommended dry film thickness</b>	40 µm	
<b>Theoretical consumption</b>	at 40 µm approx. 100 g/m <sup>2</sup>	

	Duoplast U232/U242/U252	Hardener H3	V101 / V2	V102
<b>VOC value</b>	39 - 46 %	27,5 %	100 %	80 %
metallic	51 - 55 %			
clear	60,5 %			

(replaces issue 04.23)

08.23