

# DUOPOL® PU E61 Steelcolor Plus

## 2C-PUR One-coat paint, satin matt

### Product range

	article No.		article-No.
Plain colors	E61.P	Micaceous	E63.P
Metallic	E64.P		

### Product Description

High quality, very fast-drying two-pack PUR one-coat paint. Up to 150 µm dry film thickness can be achieved in one operation. The product has excellent mechanical properties and is resistant to coolants, oils, grease and sweat on hands. The hardened coating is resistant to abrasion and affords temporary protection from solvents, salts for thawing, acid and solution vapours. Sustained thermal resistance up to 120 °C dry heat.

### Areas of Application

One-coat paint for steel construction, dry interior and exterior. Duopol PU E61 Steelcolor Plus is eminently suitable as a reasonable one-coat finish for objects of steel constructions. Excellent adhesion on degreased Zincor plates.

### Coating system as per DIN/EN/ISO 12944

C3 h	1 x 150 µm	Duopol PU E61 Steelcolor Plus
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### Application

Airless, airmix, pressure tank or pressure spray guns and 2-component mixing systems.

Duopol PU E61 Steelcolor Plus is suitable for dry film coatings of 60 - 150 µm in one operation. For 150 µm, 2 coats can be applied wet-on-wet.

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

**Note:** Duopol PU E61 Steelcolor Plus can be applied in high film thicknesses. At cold temperatures and/or high humidity, allow sufficient time for drying, especially if HV compounds are used afterwards.

### Addition of Thinner

0 – 5 % V2 or V109 for a better overspray acceptance.

### Special Notes

Hardener H61 is **sensitive to moisture**.

Our instructions are based on 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 contacting our Technical Service. Our products are under constant development: therefore please note the date of issue of our technical data sheet and ask for the latest edition (also available directly from our website).

### Technical Data

<b>Binder</b>	2C Polyurethane
<b>Pigmentation</b>	Zinc phosphate
<b>Finish</b>	Satin matt
<b>Color</b>	Shade cards RAL, NCS or sample
<b>Substrate</b>	The substrate must be dry and free of grease and dust. Steel, blast clean according to ISO 8501-1 Sa 2-2 ½. Zincor, degreased Remove abrasive residue and dust from the surface. Recoat as soon as possible after blast cleaning to prevent rusting.
<b>Thinner</b>	V2, V109 The use of other thinners may lead to defects and loss of quality.
<b>Packaging</b>	Pigment: 22,5 kg disposable cont. Hardener H61: 1,5 kg disposable cont.
<b>Storage</b>	Pigment 12 months, hardeners 6 months in original, unopened containers at 20 °C.
<b>Waste disposal</b>	Residues and expired material are considered as special refuse and must be treated as such, VeVa code 08 01 11.

<b>Components</b>	2
<b>Hardener</b>	H61
<b>Mixing ratio</b>	15 : 1 wt-parts
<b>Potlife</b>	approx. 3 hrs at 20 °C
<b>Drying (23 °C)</b>	Dust-dry approx. 20 min. Dry to touch approx. 4 hours Transportable approx. 24 hours Drying times depend on film thickness, substrate and air temperatures.

<b>Solids content</b>	by weight : approx. 80 %	} Mixture, } RAL 9010
<b>Density (20 °C)</b>	by volume: approx. 67 % approx. 1.5 kg/l	
<b>Theoretical consumption</b>	approx. 140 g/m² @ 60 µm	

	Duopol PU E61 Plus	H61	V2	V109
<b>VOC value</b>	approx. 20 %	48 %	100 %	100 %

### Safety measures

Duopol PU E61 Steelcolors Plus 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.

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