

DUOPLAST®U265/U255/U245/U235 Clear Coat

Product range	
Duoplast U265	gloss
Duoplast U255	silky gloss
Duoplast U245	silk flat
Duoplast U235	flat

Product Description

High quality 2-component clear coat, specially developed for painting challenging objects. Very good chemical and mechanical properties. Resistant to hand perspiration, diluted acids and chemicals. Very good light-fastness and weather-resistance. The hardened coating is abrasion-resistant, dirt-repellant and easy to maintain.

Areas of Application

Clear coat for high quality products of the plastics and metal-working industries, which must fulfil the highest standards.

Application

Conventional spraying

Do not apply at temperatures below + 5 °C.

Plastics:

Mould release agents must be removed with suitable cleaning products.

PVC must be washed with V102 thinner. For painting PVC, Duoplast U265/U255/U245/U235 should be diluted with V102 thinner.

Can be recoated with Duoplast U265/U255/U245/U235 after 6 hours at 20 °C. If allowed to dry out completely (over 4 days) superficial sanding is required.

Addition of Thinner

Conventional spraying up to 20 wt.-%
 Plastics: V101 or V102
 Metal industry: V2

Special Notes

H3 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

Duoplast U265/U255/U245/U235 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

Binder	2- component Polyurethane
Finish	U265 high gloss U255 silky gloss U245 silk flat U235 flat
Substrate	Duoplast-Clear Coat Bilacryl-Clear Coat Synthetics such as polyurethane hard foam, polyester, PVC and pre-treated polyethylene or polypropylene. Mould release agents must be removed. The substrate must be dry, and free of grease and dust.
Thinner	V101, V102, V2 (use of other thinners can lead to defects and loss of quality.)
Packaging in disposable container	Pigment: 4 / 8 / 20 kg Hardener: 1 / 2 / 5 kg
Storage	Clear coat 12 months, hardener 6 months in original, unopened containers at 20 °C.
Waste disposal	Residues and expired material are considered as special refuse and must be taken to the toxic waste disposal unit, VeVa-code 08 01 11.

Components	2
Hardener	H3
Mixing ratio	4 : 1 wt.-parts
Potlife	approx. 6 hours at 20 °C
Drying (23 °C)	Dust-dry approx. 30 min. Dry to touch approx. 6 hours Transportable approx. 24 hours
Forced drying	Drying times depend on film thickness and substrate and air temperatures. Possible, e.g. 30 Min. @ 80 °C

Solids content	By weight: approx. 45 % } mixture, By volume: approx. 44 % } gloss
Density (20 °C)	approx. 1,0 kg/l }
Theoretical consumption	approx. 90 g/m ² @ 40 µm

	Duoplast Clear Coats	Hardener H3	V101	V102	V2
VOC value	62 - 69 %	27,5 %	100 %	100 %	100 %

(replaces issue 10.07)

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