

DUOPLAST® U50

Plastic Filler

Product Description

High quality two-pack filler, specially developed as a varnish for plastics. Very good chemical properties.

Areas of Application

Filler for high quality plastics which must satisfy the highest demands, such as machine parts, casings, shower cubicles, bathroom fittings, office furniture, car accessories, vehicle parts.

Application

Conventional spraying.

Processing temperature should not be below + 5 °C.

Mould release agents should be removed with suitable cleaners.

PVC must be washed with V102 thinner. For PVC varnishing, Duoplast U50 should be thinned with V102 thinner.

Can be overcoated with Duoplast U251/U261 after 6 hours at 20 °C. Can be sanded after 6 hours.

Addition of Thinner

Conventional spraying 15 - 25 wt.-% V101 or V102

Special Notes

Hardener H9 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 U50 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

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|-----------------------|---|
| Binder | 2-pack Polyurethane |
| Finish | Matt |
| Color | ca. RAL 7004 Other colors on request |
| Substrate | Plastics such as PUR-hard foam, Epoxy, Polyester, PVC as well as pre-treated Polyethylene oder Polypropylene. Mould release agents must be removed. The surface must be dry and free of grease and dust. |
| Thinner | V101, V102 (Use of other thinners may lead to defects and quality impairment). |
| Packaging | Pigment: 10 / 20 kg disposable cont. Hardener: 0,5 / 1 kg disposable cont. |
| Storage | Pigment 12 months, hardener 6 months in original, unopened containers stored at a temperature of 20 °C. |
| Waste disposal | Residues and expired material must be taken to the toxic waste disposal unit, VeVa-code 08 01 11. |

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| Components | 2 |
| Hardener | H9 |
| Mixing ratio | 20 : 1 wt. parts |
| Potlife | approx. 36 hours at 20 °C |
| Drying (23 °C) | Dust-free approx. 10 minutes Dry to touch approx. 30 minutes Transportable approx. 24 hours Drying times depend on film thickness, surface and air temperatures. |
| Forced Drying | possible, e.g. 30 minutes @ 80 °C |

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|-----------------------------------|---------------------------------------|-------------------------|
| Solids content weight-% | approx. 76 % | } Mixture, ca. RAL 7004 |
| Solids volume | approx. 67 % | |
| Density (20 °C) | approx. 1.2 kg/l | |
| Recommended film thickness | 40 µm | |
| Theoretical consumption | approx. 125 g/m ² at 40 µm | |

| | Duoplast U50 | Hardener H9 | V101 | V102 |
|------------------|--------------|-------------|-------|-------|
| VOC value | 22 % | 28 % | 100 % | 100 % |

(replaces issue 03.17)

04.23