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| Designation of type | ⇒ DGP, DMP, DMPG DB | State of 4/18 |
| Product description | ⇒ Fast drying 2-component PUR top coat with excellent adhesion to steel ⇒ High UV, weather and chemical resistance ⇒ Very good scratch and impact resistance ⇒ Available in glossy or silk-matt ⇒ Type DMPG DB (iron mica) in heavy protection against corrosion: as intermediate coating according to DB-prescription TL 918 300 folio 87 | |
| Application area | ⇒ General industry, steel industry, heavy protection against corrosion | |
| Binder | ⇒ Isocyanate-curing, polyester modified acrylic resin | |
| Substrate/Preparation | ⇒ All 2-component primers (for example AC 721, EP 710, SO 715) ⇒ Cleaned or slightly sanded old paint layer (only on 2-component coatings) ⇒ Type DMPG DB in heavy protection against corrosion (for example 3 x 80 µm): primer: EP 710, EP 730 or AC 721 intermediate coating: DMPG DB (iron mica) top coating: DMP, DSPT or DCP ⇒ All surfaces dry, free of fat, oil, grease and dirt | |
| Processing | ⇒ Gravity feed gun: 1.3-1.7 mm nozzle, 3-4 bar atomisation pressure, 20-25 % thinner VS 15 ⇒ HVLP: 1.4-1.7 mm nozzle, 1.5-2.0 bar atomisation pressure, 15-20 % thinner VS 15 ⇒ Double-diaphragm-pump: 1.0-1.2 mm nozzle, 2.5-3.5 bar atomisation pressure, material pressure 0.8-2.0 bar, 15-20 % thinner VS 15 ⇒ Airmix: 0.28-0.33 mm nozzle, 3-4 bar atomisation pressure, material pressure from 70 bar up, 10-15 % thinner VS 15 ⇒ Airless (DGP, DMP): from 0.28 mm nozzle up, material pressure from 100 bar up, 5-10 % thinner VS 15 ⇒ Airless (DMPG DB): from 0.33 mm nozzle up, material pressure 170 bar up, 0-5 % thinner VS 15 ⇒ Electrostatic: optional adjustable ⇒ Dependent on film thickness 1-2 spraying cycles, 3-6 minutes intermediate flash off time ⇒ Ambient temperature: at least + 15° C, relative air humidity: max. 75 % ⇒ Object temperature: at least + 10° C and at least 3° C above the dew point | |
| Viscosities | ⇒ Viscosity at delivery: | 30-50 sec. 6 mm / DIN |
| | ⇒ Compressed-air spraying: | 20-24 sec. 4 mm / DIN hardened and diluted |
| | ⇒ Double-diaphragm-pump: | 25-35 sec. 4 mm / DIN hardened and diluted |
| | ⇒ Airmix: | 40-50 sec. 4 mm / DIN hardened and diluted |
| | ⇒ Airless: | 70-90 sec. 4 mm / DIN hardened and diluted |

PRODUCT INFORMATION

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| Mixing ratio | ⇒ 10 : 1 by weight |
| Hardener | ⇒ DHP 0003, thoroughly mix paint and hardener, then thin if necessary |
| Pot life | ⇒ 3-4 hours at 23° C, no processing under +15° C |
| Thinner | ⇒ VS 15 (alternatively: VS 40) |
| Drying time at 20° C | ⇒ Tack-free after approx. 1 hour ⇒ Ready for installation after approx. 3 hours ⇒ Complete drying after a few days ⇒ Resistant to chemicals after approx. 7 days |
| Recoatability | ⇒ DMPG DB after approx. 12 hours |
| Drying time at 60° C | ⇒ Flash off time approx. 10 minutes, heat hardening approx. 30 minutes |
| Colours | ⇒ All RAL-colours, special colours |
| Degree of gloss | ⇒ Type DGP glossy, type DMP silk-matt, type DMPG DB matt |
| Specific weight | ⇒ DGP, DMP Ø 1.25 g/cm ³ (± 5 % dependent on colour); DMPG DB Ø 1.55 g/cm ³ |
| Solid matter content | ⇒ DGP, DMP Ø 58 % (percent by weight; ± 5 % dependent on colour) DMPG DB Ø 64% |
| Solvent content | ⇒ DGP, DMP Ø 42 % (percent by weight; ± 5 % dependent on colour) DMPG DB Ø 36% |
| Film thickness | ⇒ 40-80 µm dry film thickness / 90-180 µm wet film thickness ⇒ Type DMPG DB: at sand blasted to Sa 2½ (roughness depth 45 µm) at least 60 µm dry film thickness |
| Theoretical coverage | ⇒ DGP, DMP Ø 9.0 m ² /kg at 40 µm dry film thickness; DMPG DB Ø 4.0 m ² /kg at 80 µm |
| Practical consumption | ⇒ Compressed-air-spraying: approx. 0.16 kg/m ² or 6.3 m ² /kg at 40 µm dry film thickness ⇒ Airless: approx. 0.28 kg/m ² or 3.6 m ² /kg at 80 µm dry film thickness ⇒ Airless (DMPG DB): approx. 0.32 kg/m ² or 3.1 m ² /kg at 80 µm dry film thickness |

DURALMIT® 2-COMPONENT PUR



PRODUCT INFORMATION

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| VOC-value ready for use | ⇒ 495 g/l | |
| | ⇒ Limiting value paint material for buildings: 500 g/l | 2004/42/IIA(j)(500)495 |
| | ⇒ Limiting value lacquering for vehicles repairing: 420 g/l | |
| | ⇒ Limiting value industrial coating: no specification Coating of other metal and plastic surfaces | |
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| Standard packaging | ⇒ Paint | 5.0 kg / 10.0 kg / 25.0 kg |
| | ⇒ Hardener | 0.5 kg / 1.0 kg / 2.5 kg |
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| Shelf life | ⇒ Paint at + 10 to + 30° C and unopened packaging 1 year, hardener ½ year | |
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| Material safety data sheet | ⇒ Paint type DGP No. 019, type DMP and DMPG DB No. 012, hardener No. 055 | |
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| Flash point | ⇒ > + 23° C | |