

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

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

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	