

Designation of type	⇒ EPT, EPG DB	State of 4/18
Product description	⇒ 2-component epoxy top coat with excellent chemical resistance ⇒ High protection against corrosion, free of heavy metals ⇒ Chalking under UV exposure (limited gloss and colour stability) ⇒ Type EPT as single-coat paint or top coating with primer ⇒ Type EPG 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	⇒ Amine adduct-curing epoxy resin	
Substrate/Preparation	⇒ As coating system with primer: MEGENAX 2-component epoxy primer EP 710 ⇒ Type EPT as single-coat paint on steel: at least degrease, better hand or eccentric sander St 2-3 (P 180-P 220) or sand blasted to Sa 2 ½ DIN EN ISO 12944, part 4 ⇒ Cast iron: sand blasted to Sa 2 ½ DIN EN ISO 12944, part 4 ⇒ Type EPG DB in heavy protection against corrosion (for example 3 x 80 µm): primer: EP 710 or EP 730 intermediate coating: EPG DB (iron mica) top coating: EPT or 2-component PUR (for example DMP, DSPT or DCP) ⇒ All surfaces dry, free of fat, oil, grease and dirt	
Processing	⇒ Brushing, rolling undiluted, 0-10% thinner VS 50; because of the fast drying brush marks are possible ⇒ Gravity feed gun: 1.3-1.7 mm nozzle, 3-4 bar atomisation pressure, 20-25 % thinner VS 50 ⇒ HVLP: 1.4-1.7 mm nozzle 1.5-2.0 bar atomisation pressure, 15-20 % thinner VS 50 ⇒ Double-diaphragm-pump: 1.0-1.2 mm nozzle, 2.5-3.5 bar atomisation pressure, material pressure 0.8-2.0 bar, 10-15 % thinner VS 50 ⇒ Airmix: 0.28-0.33 mm nozzle, 3-4 bar atomisation pressure, material pressure from approx. 70 bar up, 15-20 % thinner VS 50 ⇒ Airless (EPT): from 0.28 mm nozzle up, material pressure from approx. 150 bar up, 10-15 % thinner VS 50 ⇒ Airless (EPG DB): from 0.33 mm nozzle up, material pressure from approx. 170 bar up, 0-5% thinner VS 50 ⇒ Electrostatic: optional adjustable ⇒ For single-coat painting, pre-spray once in difficult-to-reach areas ⇒ Dependent on film thickness 1-2 spraying cycles, 3-6 minutes intermediate flash off time ⇒ Ambient temperature: at least. + 10° C, relative air humidity: max. 75 % ⇒ Object temperature: at least + 10° C and at least. 3° C above the dew point	

DURALMIT® 2-COMPONENT EPOXY



PRODUCT INFORMATION

Viscosities	⇒ Viscosity at delivery:	60-70 sec. 6 mm / DIN
	⇒ Compressed-air spraying:	25-35 sec. 4 mm / DIN hardened and diluted
	⇒ Airmix:	25-40 sec. 6 mm / DIN hardened and diluted
	⇒ Airless:	40-70 sec. 6 mm / DIN hardened and diluted
Mixing ratio	⇒ 4 : 1 by weight	
	⇒ Allow to pre-react for approx. 30 minutes to improve the curing process	
Hardener	⇒ SO 040 B, thoroughly mix paint and hardener, then thin if necessary	
Pot life	⇒ 12-15 hours at 23° C, no processing under + 10° C	
Thinner	⇒ VS 50 epoxy EPC/EPT special thinner	
Drying time at 20° C	⇒ Tack-free	after approx. 30 minutes
	⇒ Ready for installation	after approx. 8 hours
	⇒ Complete drying	after a few days
	⇒ Resistant to chemicals	after approx. 7 days
Recoatability	⇒ EPG DB after 12-24 hours, latest after 36 hours, later: sanding	
Colours	⇒ All RAL-colours, special colours, DB-iron mica colours	
Degree of gloss	⇒ EPT silk-glossy, EPG DB matt	
Specific weight	⇒ EPT Ø 1.35 g/cm ³ (± 5 % dependent on colour); EPG DB Ø 1.6 g/cm ³	
Solid matter content	⇒ EPT Ø 74 % (percent by weight; ± 5 % dependent on colour); EPG DB Ø 80 %	
Solvent content	⇒ EPT Ø 26 % (percent by weight; ± 5 % dependent on colour); EPG DB Ø 20 %	
Film thickness	⇒ 40-80 µm dry film thickness / 90-180 µm wet film thickness	
	⇒ At sand blasted to Sa 2½ (roughness depth 45 µm) at least 60 µm dry film thickness	
Theoretical coverage	⇒ EPT Ø 8.0 m ² /kg at 40 µm dry film thickness; EPG DB Ø 3.9 m ² /kg at 80 µm	
Practical consumption	⇒ Compressed-air spraying: approx. 0.18 kg/m ² or 5.6 m ² /kg at 40 µm dry film thickness	
	⇒ Airless:	approx. 0.31 kg/m ² or 3.2 m ² /kg at 80 µm dry film thickness
	⇒ Airless: (EPG DB):	approx. 0.32 kg/m ² or. 3.1 m ² /kg at 80 µm dry film thickness

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PRODUCT INFORMATION

VOC-value ready to use	⇒ 490 g/l	
	⇒ Limiting value paint material for buildings: 500 g/l	2004/42/IIA(j)(500)490
	⇒ Limiting value industrial coating: no specification Coating of other meta- and plastic surfaces	
Standard packaging	⇒ Paint	4.0 kg / 10.0 kg / 20.0 kg
	⇒ Hardener	1.0 kg / 2.5 kg / 5.0 kg
Shelf life	⇒ Paint and hardener at + 10 to + 30° C and unopened packaging 1 year	
Material safety data sheet	⇒ Paint No. 013, hardener No. 054	
Flash point	⇒ > + 23° C	