

<b>Designation of type</b>	⇒ EPT, EPG DB	State of 4/18
<b>Product description</b>	⇒ 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	
<b>Application area</b>	⇒ General industry, steel industry, heavy protection against corrosion	
<b>Binder</b>	⇒ Amine adduct-curing epoxy resin	
<b>Substrate/Preparation</b>	⇒ 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	
<b>Processing</b>	⇒ 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

<b>Viscosities</b>	⇒ 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
<b>Mixing ratio</b>	⇒ 4 : 1 by weight
	⇒ Allow to pre-react for approx. 30 minutes to improve the curing process
<b>Hardener</b>	⇒ SO 040 B, thoroughly mix paint and hardener, then thin if necessary
<b>Pot life</b>	⇒ 12-15 hours at 23° C, no processing under + 10° C
<b>Thinner</b>	⇒ VS 50 epoxy EPC/EPT special thinner
<b>Drying time at 20° C</b>	⇒ 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
<b>Recoatability</b>	⇒ EPG DB after 12-24 hours, latest after 36 hours, later: sanding
<b>Colours</b>	⇒ All RAL-colours, special colours, DB-iron mica colours
<b>Degree of gloss</b>	⇒ EPT silk-glossy, EPG DB matt
<b>Specific weight</b>	⇒ EPT Ø 1.35 g/cm <sup>3</sup> (± 5 % dependent on colour); EPG DB Ø 1.6 g/cm <sup>3</sup>
<b>Solid matter content</b>	⇒ EPT Ø 74 % (percent by weight; ± 5 % dependent on colour); EPG DB Ø 80 %
<b>Solvent content</b>	⇒ EPT Ø 26 % (percent by weight; ± 5 % dependent on colour); EPG DB Ø 20 %
<b>Film thickness</b>	⇒ 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
<b>Theoretical coverage</b>	⇒ EPT Ø 8.0 m <sup>2</sup> /kg at 40 µm dry film thickness; EPG DB Ø 3.9 m <sup>2</sup> /kg at 80 µm
<b>Practical consumption</b>	⇒ Compressed-air spraying: approx. 0.18 kg/m <sup>2</sup> or 5.6 m <sup>2</sup> /kg at 40 µm dry film thickness
	⇒ Airless: approx. 0.31 kg/m <sup>2</sup> or 3.2 m <sup>2</sup> /kg at 80 µm dry film thickness
	⇒ Airless: (EPG DB): approx. 0.32 kg/m <sup>2</sup> or. 3.1 m <sup>2</sup> /kg at 80 µm dry film thickness

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<b>VOC-value ready to use</b>	⇒ 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	
<b>Standard packaging</b>	⇒ Paint	4.0 kg / 10.0 kg / 20.0 kg
	⇒ Hardener	1.0 kg / 2.5 kg / 5.0 kg
<b>Shelf life</b>	⇒ Paint and hardener at + 10 to + 30° C and unopened packaging 1 year	
<b>Material safety data sheet</b>	⇒ Paint No. 013, hardener No. 054	
<b>Flash point</b>	⇒ > + 23° C	