

DURALMIT® 2-COMPONENT PUR STRUCTURE



PRODUCT INFORMATION

Designation of type	⇒ DSPT (DSP)	Stand 4/18
Product description	⇒ Fast drying 2-component PUR structure paint with excellent adhesion to steel ⇒ High UV, weather and chemical resistance ⇒ Fine pearl structure or plastic effect structure possible ⇒ Also applicable as thick-film system ⇒ Very good scratch and impact resistance ⇒ Very high filling capacity, high stability on vertical surfaces	
Application area	⇒ General industry	
Binder	⇒ Isocyanate-curing, polyester modified acrylic resin	
Substrate/Preparation	⇒ All 2-component primers (for example AC 721, EP 710, SO 715) ⇒ Steel: at least degrease, better hand or eccentric sanding St 2-3 (P80-P220) 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 ⇒ All surfaces dry, free of fat, oil, grease and dirt	
Processing	⇒ Microstructure: 1.6-2.0 mm nozzle, 3-4 bar atomisation pressure, max. 5 % thinner VS 15 ⇒ Coarse structure: 2.0-3.0 mm nozzle, 1.5-2.5 bar atomisation pressure, max. 5 % thinner VS 15 ⇒ Thick-film system Airmix: 0.28-0.33 mm nozzle, 3-4 bar atomisation pressure, material pressure from approx. 100 bar up, max. 5 % thinner VS 15 ⇒ Thick-film system Airless: from 0.28 mm nozzle up, material pressure from 150 bar up, max. 5 % thinner VS 15 ⇒ Electrostatic: optional adjustable ⇒ 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. + 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:	thixotropic
	⇒ Compressed-air spraying:	thixotropic
	⇒ Airmix, Airless:	thixotropic
Mixing ratio	⇒ 10 : 1 by weight	
Hardener	⇒ DHP 0003, thoroughly mix paint and hardener, then thin if necessary	

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Pot life	⇒ 3-4 hours at 23° C, no processing under +15° C
Thinner	⇒ VS 15 (alternative: VS 40)
Drying time at 20° C	⇒ Tack-free after 1-2 hours ⇒ Ready for installation after 3-4 hours ⇒ Complete drying after a few days ⇒ Resistant to chemicals after 7-10 days
Drying time at 60° C	⇒ Flash off time 15-20 minutes, heat hardening 30-40 minutes
Colours	⇒ All RAL-colours, special colours
Degree of gloss	⇒ Silk-glossy
Specific weight	⇒ Ø 1.30 g/cm ³ (± 5 % dependent on colour)
Solid matter content	⇒ Ø 66 % (percent by weight; ± 5 % dependent on colour)
Solvent content	⇒ Ø 34 % (percent by weight; ± 5 % dependent on colour)
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	⇒ Ø 9.0 m ² /kg at 40 µm dry film thickness
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
VOC-value ready to use	⇒ 495 g/l ⇒ Limiting value industrial coating: no specification Coating of metal and plastic surfaces
Standard packaging	⇒ Paint 5.0 kg / 10.0 kg / 25.0 kg ⇒ Hardener 0.5 kg / 1.0 kg / 2.5 kg
Shelf life	⇒ Paint at + 10 to + 30° C and unopened packaging 1 year, hardener ½ year
Material safety data sheet	⇒ Paint No. 012, hardener No. 055
Flash point	⇒ > + 23° C