

<b>Designation of type</b>	⇒ DS	State of 4/18
<b>Product description</b>	⇒ Fast drying 1-component structure coat with very good adhesion to steel ⇒ Fine pearl structure or plastic effect structure possible ⇒ Also applicable as thick-film system ⇒ High scratch and impact resistance ⇒ Very high filling capacity, high stability on vertical surfaces	
<b>Application area</b>	⇒ General industry, protection against corrosion	
<b>Binder</b>	⇒ Modified alkyd resin	
<b>Substrate/Preparation</b>	⇒ As single-coat paint or on all 1-component primers ⇒ 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	
<b>Processing</b>	⇒ Microstructure: 1.6-2.0 mm nozzle, 3-4 bar atomisation pressure, max. 5 % thinner VS 15 or VS 30 ⇒ Coarse structure: 2.0-3.0 mm nozzle, 1.5-2.5 bar atomisation pressure, undiluted, max. 5 % thinner VS 15 or VS 30 ⇒ Thick-film system Airmix: 0.28-0.33 mm nozzle, 3-4 bar atomisation pressure, material pressure from ca. 70 bar up, max.5 % thinner VS 15 or VS 30 ⇒ Thick-film system Airless: from 0.28 mm nozzle up, material pressure from approx. 150 bar up, max. 5 % thinner VS 15 or VS 30 ⇒ 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 min. intermediate flash off time ⇒ Ambient temperature: at least + 10° C, relative air humidity: max. 75 % ⇒ Object temperature: at least. + 5° C and at least 3° C above the dew point	
<b>Viscosities</b>	⇒ Viscosity at delivery: thixotropic ⇒ Compressed-air spraying: thixotropic ⇒ Airmix, Airless: thixotropic	
<b>Thinner</b>	⇒ VS 15 or VS 30	
<b>Drying time at 20° C</b>	⇒ Tack-free after 1-2 hours ⇒ Ready for installation after 6-8 hours ⇒ Complete drying after a few days	
<b>Colours</b>	⇒ All RAL-colours, special colours	
<b>Degree of gloss</b>	⇒ Silk-glossy	
<b>Specific weight</b>	⇒ Ø 1.30 g/cm³ (± 5 % dependent on colour)	
<b>Solid matter content</b>	⇒ Ø 66 % (percent by weight; ± 5 % dependent on colour)	

# DURALMIT® UNIVERSAL STRUCTURE

## PRODUCT INFORMATION



<b>Solvent content</b>	⇒ Ø 34 % (percent by weight; ± 5 % dependent on colour)
<b>Film thickness</b>	⇒ 40-80 µm dry film thickness / 80-160 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>	⇒ Ø 9.5 m <sup>2</sup> /kg at 40 µm dry film thickness
<b>Practical consumption</b>	⇒ Compressed-air spraying: approx. 0.15 kg/m <sup>2</sup> or 6,7 m <sup>2</sup> /kg at 40 µm dry film thickness ⇒ Airless: approx. 0.26 kg/m <sup>2</sup> or 3,8 m <sup>2</sup> /kg at 80 µm dry film thickness
<b>VOC-value ready to use</b>	⇒ 495 g/l ⇒ Limiting value paint material for buildings: 500 g/l 2004/42/IIA(i)(500)495 ⇒ Limiting value industrial coating: no specification Coating of other metal or plastic surfaces
<b>Standard packaging</b>	⇒ 5 kg / 10 kg / 25 kg
<b>Shelf life</b>	⇒ At + 10 to + 30° C and unopened packaging 1 year
<b>Material safety data sheet</b>	⇒ No. 011
<b>Flash point</b>	⇒ > + 23° C