

Designation of type	⇒ DAC	State of 4/18
Product description	⇒ 1-component acrylic resin top coat with good protection against corrosion ⇒ As single-coat paint or top coating with primer ⇒ Very good adhesion to steel and aluminium ⇒ Also suitable for a few plastics like GFRP, ABS and hard-PVC ⇒ Fast drying, good vertical stability	
Application area	⇒ General industry, construction of vehicles, protection against corrosion	
Binder	⇒ Modified acrylic resin	
Substrate/Preparation	⇒ 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 ⇒ Aluminium: sweeping, chromate or hand sanding ⇒ GFRP, ABS, hard-PVC: slight sanding, for example Scotch-Brite type A (fine) ⇒ All surfaces dry, free of fat, oil, grease and dirt	
Processing	⇒ Brushing, rolling undiluted, max. 10 % thinner VS 15 or VS 40; because of the fast drying brush marks are possible ⇒ Gravity feed gun: 1.3-1.7 mm nozzle, 3-4 bar atomisation pressure, 15-20 % thinner VS 15 or VS 40 ⇒ HVLP: 1.4-1.7 mm nozzle, 1.5-2.0 bar atomisation pressure, 10-15 % thinner VS 15 or VS 40 ⇒ 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 15 or VS 40 ⇒ Airmix: 0.28-0.33 mm nozzle, atomisation pressure 3-4 bar, material pressure from 70 bar up, 10-15 % thinner VS 15 or VS 40 ⇒ Airless: from 0.28 mm nozzle up, material pressure from 100 bar up, 5-10 % thinner VS 15 or VS 40 ⇒ 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 + 5° C and at least. 3° C above the dew point	
Viscosities	⇒ Compressed-air spraying: 25-30 sec. 4 mm / DIN ⇒ Airmix: 40-50 sec. 4 mm / DIN ⇒ Airless: 70-90 sec. 4 mm / DIN	
Thinner	⇒ VS 15 or VS 40	

Drying time at 20° C	⇒ Tack-free	after approx. 1 hour
	⇒ Ready for installation	after approx. 3-5 hours
	⇒ Complete drying	after 1-2 days
Colours	⇒ All RAL-colours, special colours	
Degree of gloss	⇒ Silk-matt	
Specific weight	⇒ Ø 1.25 g/cm ³ (± 5 % dependent on colour)	
Solid matter content	⇒ Ø 61 % (percent by weight; ± 5 % dependent on colour)	
Solvent content	⇒ Ø 39 % (percent by weight; ± 5 % dependent on colour)	
Film thickness	⇒ 40-60 µm dry film thickness / 95-145 µm wet film thickness	
	⇒ At sand blasted to Sa 2½ (roughness depth 45 µm) at least 60 µm dry film thickness	
Theoretical coverage	⇒ Ø 7.8 m ² /kg at 40 µm dry film thickness	
Practical consumption	⇒ Compressed-air spraying: approx. 0.18 kg/m ² or. 5.5 m ² /kg at 40 µm dry film thickness	
	⇒ Airless: approx. 0.24 kg/m ² or 4.2 m ² /kg at 60 µm dry film thickness	
VOC-value ready use	⇒ 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	
Standard packaging	⇒ 5 kg / 10 kg / 25 kg	
Shelf life	⇒ At + 10 to + 30° C and unopened packaging 1 year	
Material safety data sheet	⇒ No. 011	
Flash point	⇒ > + 23° C	