

MEGACOLOR 2-COMPONENT PUR CHASSIS LACQUER



PRODUCT INFORMATION

Designation of type	⇒ DCP	State of 4/18
Product description	⇒ Fast drying 2-component chassis lacquer for many applications ⇒ Very good adhesion to steel, cast, aluminium and hot dip galvanized steel ⇒ Contains active anticorrosion pigments, very good weather resistance ⇒ As single-coat paint or top coating with primer ⇒ Simple processing, high stability on vertical surfaces ⇒ Spray dust free processing on large substrates	
Application area	⇒ General industry, construction of vehicles, heavy protection against corrosion	
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 ⇒ Aluminium: sweeping or hand sanding ⇒ Hot dip galvanized steel: sweeping, hand sanding or wetting agent washing DIN EN ISO 12944, part 4 ⇒ All surfaces dry, free of fat, oil, grease and dirt	
Processing	⇒ Gravity feed gun: 1.3-1.7 mm nozzle, 3-4 bar atomisation pressure, 20-25 % thinner VS 40, 41 or 42 ⇒ HVLP: 1.4-1.7 mm nozzle, 1.5-2.0 bar atomisation pressure, 15-20 % thinner VS 40, 41 or VS 42 ⇒ Double-diaphragm-pump: 1.0-1.2 mm nozzle, 2.5-3.5 bar atomisation pressure, material pressure 0.8-2.0 bar, 15-20 % thinner VS 40, 41 or VS 42 ⇒ Airmix: 0.28-0.33 mm nozzle, 3-4 bar atomisation pressure, material pressure from 70 bar up, 10-15 % thinner VS 40, 41 or 42 ⇒ Airless: from 0.28 mm nozzle up, material pressure from 100 bar up, 5-10 % thinner VS 40, 41 or 42 ⇒ 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 + 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:	45-55 sec. 6 mm / DIN
	⇒ Compressed-air spraying:	20-24 sec. 4 mm / DIN hardened and diluted
	⇒ Double-diaphragm-pump:	30-40 sec. 4 mm / DIN hardened and diluted
	⇒ Airmix:	40-50 sec. 4 mm / DIN hardened and diluted
	⇒ Airless:	70-90 sec. 4 mm / DIN hardened and diluted

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Mixing ratio	⇒ 10 : 1 by weight (DHP 0003) ⇒ 5 : 1 by volume (DHP 0012)
Hardener	⇒ DHP 0003, thoroughly mix paint and hardener, then thin if necessary thin ⇒ DHP 0012, thoroughly mix paint and hardener, then thin if necessary thin
Pot life	⇒ 3-4 hours at 23° C, no processing under + 15° C
Thinner	⇒ VS 40 Standard, normal evaporation rate ⇒ VS 41 Fast, fast evaporation rate ⇒ VS 42 Slow, slowly evaporation rate ⇒ VS 15 Universal-thinner (alternative to VS 40)
Drying time at 20° C	⇒ Tack-free after approx. 1 hour ⇒ Ready for installation after approx. 3 hours ⇒ Complete drying after a few days ⇒ Resistant to chemicals after approx. 7 days
Drying time at 60° C	⇒ Flash off time approx. 10 minutes, heat hardening approx. 30 minutes
Colours	⇒ All RAL-colours, special colours on request
Degree of gloss	⇒ Silk-matt
Specific weight	⇒ Ø 1.30 g/cm ³ (± 5 % dependent on colour)
Solid matter content	⇒ Ø 62 % (percent by weight; ± 5 % dependent on colour)
Solvent content	⇒ Ø 38 % (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 8.5 m ² /kg at 40 µm dry film thickness
Practical consumption	⇒ Compressed-air spraying: approx. 0.17 kg/m ² or 6.0 m ² /kg at 40 µm dry film thickness ⇒ Airless: approx. 0.29 kg/m ² or 3.4 m ² /kg at 80 µm dry film thickness
VOC-value ready to use	⇒ 495 g/l ⇒ Limiting value paint material for buildings: 500 g/l 2004/42/IIA(j)(500)495 ⇒ Limiting value lacquering of vehicles repairing: 420 g/l ⇒ Limiting value industrial coating: no specification Coating of other metal and plastic surfaces

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Standard packaging	⇒ Paint	5,0 kg / 10,0 kg / 25,0 kg / 5,0 l / 10,0 l / 20,0 l
	⇒ Hardener	0,5 kg / 1,0 kg / 2,5 kg / 1,0 l / 2,0 l / 4,0 l
Shelf life	⇒ Paint at + 10 to + 30° C and unopened packaging 1 year, hardener ½ year	
Material safety data sheet	⇒ Paint No. 012, hardener DHP 0012 and DHP 0003 No. 055	
Flash point	⇒ > + 23° C	