

DURALMIT® 2-COMPONENT PUR/ACRYL



PRODUCT INFORMATION

Designation of type	⇒ DHGP	State of 4/18
Product description	⇒ 2-component medium solid top coat for highest demands ⇒ Fast initial and complete drying ⇒ Very high scratch and impact resistance, brilliant high gloss ⇒ Excellent gloss- and colour stability	
Application area	⇒ General industry, construction of vehicles	
Binder	⇒ Isocyanate-curing, polyester modified acrylic resin	
Substrate/Preparation	⇒ 2-component primers, 2-component filler ⇒ Cleaned or slightly sanded old paint layer (only on 2-component coatings) ⇒ 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 15 ⇒ HVLP: 1.4-1.7 mm nozzle, 1.5-2.0 bar atomisation pressure, 15-20 % thinner VS 15 ⇒ Double-diaphragm-pump: 1.0-1.3 mm nozzle, 2.5-3.5 bar atomisation pressure, material pressure 0.8-2.0 bar, 15-20 % thinner VS 15 ⇒ Airmix: 0.23-0.33 mm nozzle, atomisation pressure 3-4 bar, material pressure from 70 bar up, 10-15 % thinner VS 15 ⇒ Airless: from 0.23 mm nozzle up, material pressure from 100 bar up, 5-10 % thinner VS 15 ⇒ Dependent on film thickness 1-2 spraying cycles, 3-6 at least 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: 100-120 sec. 4 mm / DIN ⇒ Compressed-air spraying: 20- 24 sec. 4 mm / DIN hardened and diluted ⇒ Double-diaphragm-pump: 25- 35 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	
Mixing ration	⇒ 5 : 1 by weight (DHP 0004) ⇒ 4 : 1 by volume (DHP 0004)	
Hardener	⇒ DHP 0004, thoroughly mix paint and hardener, then thin if necessary thin	
Pot life	⇒ 3-4 hours, no processing under + 15° C	
Thinner	⇒ VS 15 Universal-thinner ⇒ VS 40 Standard, normal evaporation rate ⇒ VS 41 Fast, fast evaporation rate ⇒ VS 42 Slow, slow evaporation rate	

DURALMIT® 2-COMPONENT PUR/ACRYL



PRODUCT INFORMATION

Drying time at 20° C	⇒ Tack-free	after 60-90 minutes
	⇒ Ready for installation	after 4-8 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	
Polishability	⇒ When drying at 21 °C: after complete drying	
	⇒ When drying at 60 °C: directly, note the flash off time	
Colours	⇒ All RAL-colours, NFZ- and special colours, chassis colours	
Degree of gloss	⇒ High glossy	
Specific weight	⇒ Ø 1.15 g/cm ³ (± 5 % dependent on colour)	
Solid matter content	⇒ Ø 60 % (percent by weight; ± 5 % dependent on colour)	
Solvent content	⇒ Ø 40 % (percent by weight; ± 5 % dependent on colour)	
Film thickness	⇒ 40-60 µm dry film thickness / 95-145 µm wet 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. 0.21 kg/m ² or 4.8 m ² /kg at 60 µm dry film thickness
VOC-value ready to use	⇒ 495 g/l	
	⇒ Limiting value lacquering of vehicles repairing:	420 g/l
	⇒ Limiting value industrial coating: no specification Coating of other metal and plastic surfaces	
Standard packaging	⇒ Paint	10.0 kg / 10.0 l
	⇒ Hardener	2.0 kg / 2.5 l
Shelf life	⇒ Lacquer at + 10 to + 30° C and unopened packaging 1 year, hardener ½ year	
Material safety data sheet	⇒ Lacquer No. 019, hardener No. 055	
Flash point	⇒ > + 23° C	