

# MEGACOLOR 2-COMPONENT HS/LV TOPCOAT



## PRODUCT INFORMATION

<b>Designation of type</b>	⇒ DHVP	State of 4/18
<b>Product description</b>	⇒ 2-component ultra high solid top coat for highest demands ⇒ VOC-content under 420 g/l ⇒ Fast initial and complete drying ⇒ Very high scratch and impact resistance, brilliant high gloss ⇒ Excellent gloss and colour stability	
<b>Application area</b>	⇒ General industry, construction of vehicles	
<b>Binder</b>	⇒ Isocyanate-curing, polyester modified acrylic resin	
<b>Substrate/Preparation</b>	⇒ 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	
<b>Processing</b>	⇒ Gravity feed gun: 1.3-1.4 mm nozzle, 2.0-2.5 bar atomisation pressure, 20 % thinner VS 60 ⇒ HVLP: 1.4-1.7 mm nozzle, 1.5-2.0 bar atomisation pressure, 15-20 % thinner VS 60 ⇒ Double-diaphragm-pump: 1.0-1.3 mm nozzle, 2.0-2.5 bar atomisation pressure, material pressure 0.7-1.2 bar, 15-20 % thinner VS 60 ⇒ Airmix: 0.18-0.23 mm nozzle, 3-4 bar atomisation pressure, material pressure from 70 bar up, 10-15 % thinner VS 60 ⇒ 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	
<b>Viscosities</b>	⇒ Viscosity at delivery:	approx. 60-80 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
<b>Mixing ratio</b>	⇒ 4 : 1 : 1 (top coat : hardener AHP 0037 : thinner VS 60) by volume	
<b>Hardener</b>	⇒ AHP 0037, thoroughly mix paint and hardener, then thin if necessary thin	
<b>Pot life</b>	⇒ Approx. 2 hours, no processing under + 15° C	
<b>Thinner</b>	⇒ VS 60 MEGACOLOR LV thinner	
<b>Drying time at 20° C</b>	⇒ Tack-free	after 60-90 minutes
	⇒ Ready for installation	during the night
	⇒ Complete drying	after a few days
	⇒ Resistant to chemicals	after approx. 7 days
<b>Drying time at 60° C</b>	⇒ Flash off time approx. 10 minutes, heat hardening approx. 30 minutes	

All data are based on conscientious laboratory tests and experience. However, no liability can be derived from this and does not release the user from his own checks. The latest version supersedes all previous versions.

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<b>Polishability</b>	⇒ When drying at 21 °C: after complete drying ⇒ When drying at 60 °C: directly, note the flash off time
<b>Colours</b>	⇒ Limited colour options
<b>Degree of gloss</b>	⇒ High glossy
<b>Specific weight</b>	⇒ Ø 1.3 g/cm <sup>3</sup> (± 5 % dependent on colour)
<b>Solid matter content</b>	⇒ Ø 65 % (percent by weight; ± 5 % dependent on colour)
<b>Solvent content</b>	⇒ Ø 35 % (percent by weight; ± 5 % dependent on colour)
<b>Film thickness</b>	⇒ 40-60 µm dry film thickness / 85-125 µm wet film thickness
<b>Theoretical coverage</b>	⇒ Ø 14.3 m <sup>2</sup> /l at 40 µm dry film thickness
<b>Practical consumption</b>	⇒ Compressed-air spraying: approx. 0.10 l/m <sup>2</sup> or 10,0 m <sup>2</sup> /l at 40 µm dry film thickness ⇒ Airless: approx. 0.13 l/m <sup>2</sup> or 7,6 m <sup>2</sup> /l at 60 µm dry film thickness
<b>VOC-value ready to use</b>	⇒ 415 g/l ⇒ Limiting value lacquering of vehicles repairing 420 g/l 2004/42/IIIB(d)(420)415 ⇒ Limiting value industrial coating: no specification Coating of other metal and plastic surfaces
<b>Standard packaging</b>	⇒ Paint 10.0 l ⇒ Hardener 2.5 l ⇒ Thinner 2.5 l
<b>Shelf life</b>	⇒ Paint at + 10 to + 30° C and unopened packaging 1 year, hardener ½ year
<b>Material safety data sheet</b>	⇒ Paint No. 037, hardener No. 138
<b>Flash point</b>	⇒ > + 23° C