

# PRODUCT DATA SHEET

## GRAPHITE HD TOPCOAT

+ CV 40M MATTING MIXING CLEAR

T

### Application

all applications where a reduced gloss is required, construction machinery (steel), chassis painting, chassis (color change)



### Description:

- all gloss levels can be achieved
- suitable on all RM CV primer filler and filler
- suitable for large areas / surfaces
- good leveling
- excellent UV resistance
- Excellent surface hardness
- good hiding power

### Substrates:

- = very well suited
- = well suited
- = suited in some cases

Steel	
Galv. Steel	
Stainless steel	
Aluminium	
Anodized Aluminium	
GRP / SMC	
PP-EPDM	
RM CV-Primer	
RM CV-Primer-Filler / Filler	●●
Powder	
Coil-Coating	
Plywood	
Wood	
OEM Paint work	○
Old paint work	○

### Remarks:

The substrate should be clean, free of dust, rust, oil and grease

The complete color range for CV-application is covered

### Special remarks

- The products are suitable for professional use only.
- It cannot be ruled out that this product contains particles < 0.1 μm
- **2004/42/IIB (e)(840)830:** The EU limit value for this product (product category: IIB(d) in ready to use form is max.. 840 g/l. **The VOC content of this product is 830 g/l.**



### Paint process

Can be used for all CV Painting Processes.

### Spreading rate

≈ 536 m<sup>2</sup> / l / 1μm

### Solid content

≈ 67 %

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### Pre-mix

Line GHD TOPCOAT u. CV 40M MATTING MIXING CLEAR 100:20 Vol. =  
 Gloss 75 - 85 E / 60 °  
 exchange Mixing clear CV70M to CV 40M = gloss 70 - 85 E / 60 °  
 exchange Mixing Clear CV70M to CV 40M  
 and add CV 40M in mixing ratio 100:20 = gloss 50 - 65 E / 60 °



### Mixing ratio

100:20:20 by volume



### Hardener

H 770 / H 750 or H 700



### Reducer

GV 200 CV, normal 15 - 20°C  
 GV 300, slow 20 - 25°C  
 GV 400, very slow 25 - 30°C



### Spray viscosity DIN 4 / 20°C

18 - 22 s. DIN 4

Potlife 20 °C

1,5 h

### Application



Compliant-gravity feed cup



HVLP-Spray gun



Suction cup



Airless/Airmix (ESTA)



Pressure pot/ Dble membr. Pump

		Compliant-gravity feed cup	HVLP-Spray gun	Suction cup	Airless/Airmix (ESTA)	Pressure pot/ Dble membr. Pump
Atomization pressure	bar	2,2 - 2,5	2	2,5	2	2,5
Material pressure	bar	-	-	-	120 - 180	0,8 - 1,5
Nozzle size	mm	1,4	1,5	1,7	0,23 - 0,28	1,0 - 1,1
Voltage	kV	-	-	-	50 - 80	-
Elect. Resistance	Ω	-	-	-	700 - 1500	-
Number of spraycoats		2	2	2	2	2
Flash off	min.	10 - 15	10 - 15	10 - 15	10 - 15	10 - 15
Filmbuild	µm	40 - 60				



### Drying



over-coatable



tack free



tapeable



ready to assemble



sandable

Min. Max.

		Min.	Max.			
Panel temperat.	20°C	16 h	2,5 h	16 h	12 h	16 h
Panel temperat.	60°C	30 min	30 min	30 min	30 min	30 min

### Remarks



Application: After the first coat a flash off of 10-15 min is required, after the second coat flash off until matt.  
 Attention: hardeners do affect gloss level, mentioned values of gloss with CV40M based on drying with H770. Recoatable with itself without intermediate sanding for up to 16 hours after application.  
 Pre-spray adhesion promoter TRANSPARENT SEALER CP prior to multi-colour finishing if painted surface was baked or flashed-off for 16 h. Due to the reduced gloss level not suitable for blend in processes

