

PRODUCT DATA SHEET

GRAPHITE HD CV 40M MATTING MIXING CLEAR


Z

Application

all applications where a reduced gloss is required



Description:

- suitable on all RM CV primer filler and filler
- good matting effect
- excellent UV resistance
- good leveling
- all gloss levels can be achieved
- Gloss level adjustable via Color Explorer or Shop Master

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

Special remarks

- The products are suitable for professional use only.
- It cannot be ruled out that this product contains particles < 0.1 µm



Paint process

Can be used for all CV Painting Processes.

Spreading rate

≈ 404 m² / l / 1µm

Solid content

≈ 31 %

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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 / H 700



Reducer

GV 200 CV, normal
GV 300, slow
 GV 400, very slow

15 - 20°C
20 - 25°C
 25 - 30°C



Spray viscosity DIN 4 / 20°C

18 - 22 s. DIN 4

Potlife 20 °C

2 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.

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



A maximum addition 20% (100:20) with GHD TOPCOAT gives a gloss level of about 75-85% 60°
 GHD CV 40M must be stirred in with an air stirrer or alternatively a shaker!
 Attention: The various topcoat hardener do influence the gloss level, above mentioned gloss values refer to drying CV 40M with H 770.
 Mix hardener and reducer according to mixing stick 100:20:20
 GHD CV 40M can only be used in line GHD TOPCOAT.
 For alternative gloss levels see index block D
 After the first coat a flash off of 10-15 min is required, after the second coat flash off until matt.