



HS Clearcoat Anti-Scratch

HS CLEARCOAT ANTI-SCRATCH is a new generation HS 2K clear coat, made with acrylic co-polymer resins based, with low VOC, compatible with all standard painting systems and with a good surface resistance to scratches.

Features & Benefits

- High solid formulation with excellent flow - It can be used both on large and small areas including spot repair
- Excellent atmospheric and UV resistance - does not yellow or peel with ageing
- Resists scratches and impacts with small stones and / or road drifts – maintains excellent finish



P/N	Product	S/C	Packaging
85690	HS CLEARCOAT	CCAS	5 L
85691	FAST HARENER	FHC	2.5 L
85692	MEDIUM HARDENER	MHC	2.5 L
85693	SLOW HARDENER	SHC	2.5 L
85694	THINNER	TC1L	1 L
85756	IPERCURE	CCASI	500 ml

Application

HS CLEARCOAT is a VOC compliant, high quality, high solid clear coat. It is easy to apply with excellent flow properties making it suitable for spot repair and use on larger areas, giving resistance to scratches and stone chips.

HS CLEARCOAT gives excellent brightness even under unfavourable booth conditions, e.g. low temperatures, due to different speed hardeners designed to optimise variable conditions.

Instructions

See over leaf.



Instructions

1	<p>Compatibility: All standard finishes currently available, properly degreased and sanded. All 2 pack metallic, micalised, pearly and solid colour designed for the automotive market. Ideal for both complete painting and spot repairs. Polyester sheets must be carefully degreased and sanded.</p>
2	Before applying ANTISCRATCH HS CLEAR COAT, the existing finishes must be sanded , (for example with a P600 and degreased with PANEL DEGREASER).
3	As with all painting systems, best results are achieved if the clear coat is brought to the spraying temperature before application (20 - 25°C). This point is very important when using products with a very high solid content. It is recommended to bring surfaces to at least 15°C before application. Low temperatures make both the application and spray absorption / spreading difficult .
4	It is important to carefully follow application procedure in order to avoid too high a thickness or slowing down the drying.
5	It is particularly important to make sure the base coat does not contain moisture, water or traces of solvent before applying the clear coat.
6	Use only the KENT HARDENER Medium, Fast or Slow according to temperature. The mixed product must not be put back into the original can. If required, add KENT Ipercure accelerator, at maximum concentration of 4%.
7	The choice of the hardener to be used should be make considering the application temperature, the volume of air in the oven and the size of the area to be treated. Use only the KENT THINNER for HS CLEARCOAT ANTISCRATCH.

SLOW - TEMPERATURE OVER 25°C

100 parts in volume / weight	ANTISCRATCH CLEAR COAT	p/n 85690 22
50 parts in volume / weight	SLOW HARDENER	p/n 85693 22
5 - 10 parts in volume / weight	KENT THINNER	p/n 85694 22

MEDIUM - TEMPERATURE 15°C - 25°C

100 parts in volume / weight	ANTISCRATCH CLEAR COAT	p/n 85690 22
50 parts in volume / weight	MEDIUM HARDENER	p/n 85692 22
0 - 5 parts in volume / weight	KENT THINNER	p/n 85694 22

FAST - ONLY VERTICAL PARTS – SPOT REPAIR





100 parts in volume / weight	ANTISCRATCH CLEAR COAT	p/n 85690 22
50 parts in volume / weight	FAST HARDENER	p/n 85691 22
0 - 5 parts in volume / weight	KENT THINNER	p/n 85694 22

IPERCURE - Accelerator - only for small area





















100 parts in volume / weight	ANTISCRATCH CLEAR COAT	p/n 85690 22
50 parts in volume / weight	MEDIUM HARDENER	p/n 85692 22
2-4 parts volume / weight	IPERCURE	p/n 85756 22



Instructions, continued

8		Mix using the proper mixing cups.		
9	POT-LIFE	5 - 6 h @ 20°C, with Ipercure 3 - 4 hours		
10	SPRAYING	CONVENTIONAL: 1.3 mm nozzle @ 3.5 bar entry pressure. HVLV: 1.3 nozzle @ 2.6 - 3 bar entry pressure.		
11	½ LAYER + 1	Apply half layer (light, wet, uniform) followed by a full one. Thickness of the layer after drying: 45 – 50 micron DO NOT apply thick coats. When applying the product on several parts, apply the first coat on all the surface then apply the second one.		
12		Wait about 6 - 8 minutes between each coat.		
13	DRYING	SLOW HARDENER		Slow – 10 minutes of ventilation before applying heat 30 minutes at 60°C
		MEDIUM HARDENER		Medium - 5 - 10 minutes of ventilation before applying heat 30 minutes at 60°C (do not exceed in case of horizontal parts) or 30 minutes of ventilation at spraying temperature : dry after 12 - 24 hours according to thickness applied and external temperature.
		FAST HARDENER		Fast – only vertical surfaces – 5 minutes of ventilation. 30 minutes at 60°C (never exceed recommended temperature). 30 - 45 minutes of ventilation at spraying temperature : dry after 12 - 24 hours according to thickness applied and external temperature.
		IPERCURE		5 minutes of ventilation before applying heat. 2% 20 minutes at 60°C 4% 15 minutes at 60°C 12-18 hours according to thickness applied and external temperature.
		Drying times indicated are real at the temperature required. The time needed to reach temperature is to be added.		
		IMPORTANT: In case of drying at lower temperatures compared to those indicated, painted areas must not be exposed to critical conditions for at least one day. Avoid contact with high humidity, condensation, frost and corrosive agents such as smog, cleaners, salt until complete reticulation is achieved.		
14	POLISHING	Wait at least 60 - 90 minutes before any operation onto the painted area (the use of carbon blocks is suggested).		

Technical Information

	PRODUCT CODE	85690 22 Clear Coat 85692 22 Medium Hardener 85691 22 Fast Hardener 85693 22 Slow Hardener		GRAVITY FEED SPRAY GUN	Ø 1,2 - 1,3 mm
	NATURE OF PRODUCT	Acrylic esin		SUCTION FEED SPRAY GUN	Ø 1,5 - 1,6 mm
	SOLID CONTENT	53%		AIR PRESSURE	3 - 4 ATM
	V.O.C. Ready to use	VOC(2004/42/CE IIB): ----- (e-840 g/L max) cont. 498 g/L		NUMBER OF COATS	1/2 coats + 1 - wait time 6-8 minutes
	PACKAGING	Clear Coat - 5 L can Hardener - 2,5 L can		DRY FILM THICKNESS	45- 50 microns
	COLOUR	Transparent		FLASH TIME	8' - 10'
g / L	SPECIFIC GRAVITY	1010 ± 20 g/l		DUST FREE (20° C)	15'
	MIXING RATIO	2:1 in volume measuring stick/measuring cup		TACKFREE (20°C)	5 - 6 h
A 	PRODUCT	VOLUME WEIGHT 100 (suggested) 100g		READY TO ASSEMBLY	12 - 16 h
B 	HARDENER	50 52 g		DRYING TIME	24 h (20°C - 68°F) 30' (60°C - 140°F)
C 	THINNER	0% 0 g		ORBITAL SANDER DRY	
	POT LIFE (20°C)	5 - 6 h		WET SANDING BY HAND	
	SPRAYING VISCOSITY	20±2" Ford Cup Ø 4 a 20°C(20%dil)		DRY SANDING BY HAND	



Technical Information

HS Clearcoat

Base:	Acrylic resin
Consistency:	Viscous liquid
Colour:	Transparent
Shelf life:	24 months
Custom tariff code:	3208 1090
VOC:	498 g/l (max) RFU

HS Clearcoat Hardeners, Thinner & Ipercure

Base:	Solvent blend
Consistency:	Clear liquid
Colour:	Transparent
Shelf life:	24 months
Custom tariff code:	3208 1090 - hardener 3814 0090 - thinner & Ipercure

Pot life:	5 - 6 hours (20°C)
Pot life - with Ipercure:	3 - 4 hours (20°C)
Mixing ratio:	2:1 volume
Thinner / diluent:	See previous table
Application distance:	15 - 20 cm
Dry time	See previous table
Dry film thickness :	45 – 50 micron
Coverage:	Not determined
No of coats:	2
Dry time between coats:	6 - 8 minutes
Wet on wet:	No
Salt spray test:	Not determined
Application temp:	+20°C to +25°C
Temp resistance :	Not determined
Specific gravity:	1.01 g/ml +/- 20 g/l
Solid content:	53%



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