

GENERAL INFORMATION

8-114 Scratch Resistant Fast Repair Clear is a polyurethane rapid drying scratch resistant clearcoat. This clearcoat is wet on wet application; no flash off time required between coats. Offers superior scratch resistance, in situations such as car wash brushing. The clearcoat also offers short drying times at 20°C and very short drying time at 40-60°C, compared to conventional clearcoats. Very easy to use with a fantastic finish appearance, superior flow and levelling. For application over MM 900 - 9999 WaterBase 900+ Series and MM 500 - 5999 BeroBase 500 Series, suitable for passenger cars.

MIXING RATIO



5 : 1 Clear coat : HS420 Hardener

GUN SET UP



	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3-1,5	1,5-1,8 / 22-26
HE	1,3-1,5	1,5-1,8 / 22-26

APPLICATION



2 coat 35 - 45 μm (1,4-1,8 mil)

No flash-off between coats, apply two full wet coats.

FLASH OFF AND DRY TIMES



	AIR DRY 20°C / 68°F	FORCED DRY 60°C / 140°F
Flash off	-	Flash off
Dust free	20 - 25 minutes	Dust free
Dry to handle	45 - 75 minutes	Dry to handle
Dry to tape	-	Dry to tape
Dry to sand	-	Dry to sand
Dry to polish	60 - 90 minutes	Dry to polish



No Flash off. All dry times assume standard application & spraybooth conditions and refer to the time after reaching object temperature.

INFRARED DRYING



AFTER FULL FLASH OFF AND AT PROPER DISTANCE	
Half-bake	4 min 50°C
Full-bake	10 min 65°C
See IR Manufacturer information	

SUBSTRATES



MM 900 - 9999 WaterBase 900+ Series and MM 500 - 5999 BeroBase 500 Series.

Basecoat should be fully dry.

POT LIFE AT 20°C / 68°F



60 minutes

COMPONENTS



8-430 HS420 Hardener Very Fast
 8-440 HS420 Hardener Fast
 8-450 HS420 Hardener Medium
 8-460 HS420 Hardener Slow
 47-91 Spot Repair Thinner
 1-231 Fade-Out Thinner

No thinner needed.

ADDITIVES



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SURFACE PREPARATION



Mask entire vehicle to eliminate unwanted overspray.



NEXT LAYER



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PHYSICAL DATA

EU REGULATIONS	
VOC Code	2004/42/IIIB(e)(840)510
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.	IIIB/e. Special finishes - All types. EU limit values: 840 g/L (2007) This product contains a maximum of 510 g/L VOC.
Chemical Base	ZK Polyurethane Finish
Viscosity (RTS)	12 - 14 Dincup 4 / 20°C
Specific Gravity (kg/l)	0,978
Flash Point Closed Cup	15°C / 57°F
Volume % Solids	35,3
Physical Properties	Economy
	71 m ² /L/50 μm 385 ft ² /Gal/2 mil
Gloss	High gloss
Colour	-

PROTECTION

Use suitable respiratory protection (*fresh air supply respirator is strongly recommended*).



For more detailed information please visit the following link for the Safety Data Sheet:

https://sds.de-beer.com/en/debeer/choose_localization

CLEAN UP



1-051 Gun Cleaner

STORAGE/SHELF LIFE

Minimum 2 years; (Under normal storage conditions 10°C - 30°C / 50°F - 90°F) (unopened container).



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