

### **GENERAL INFORMATION**

3:1+25%

8-409 HS Semi Gloss Clear Coat is a premium system that consists of 8-407 HS Low Gloss Clear Coat and 8-409 HS Semi Gloss Clear Coat, with a dedicated hardener and thinner. This versatile clear coat system was specially developed to reproduce a wide range of gloss levels through mixing of the 8-407 HS Low Gloss Clear Coat and 8-409 HS Semi Gloss Clear Coat. This is a high quality polyurethane clear coat system, with high durability, for application over MM 500 - 5999 BeroBase 500 Series and MM 900 - 9999 WaterBase 900\* Series. Suitable for panel or full body repairs with very good drying and application properties.

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#### **MIXING RATIO**



Once you have created your gloss level mixture, mix:

8-407 and 8-409 HS Gloss Level Mixture : 3 parts 8-455 HS Matt Hardener : 1 part 8-451 HS Matt Thinner + 25<sup>'</sup>/<sub>8</sub>

#### **GLOSS LEVELS**

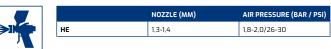


GLOSS LEVELS	8-407 LOW GLOSS (WT % OR VOL %)	8-409 SEMI GLOSS (WT % OR VOL %)	
M1	70	30	0 - 10
M2	50	50	10 - 20
MЗ	30	70	20 - 30
M4	20	80	30 - 45
M5	0	100	45 - 60

See ICRIS for complete weight conversion.

To verify the gloss level and color match, it is recommended that a test panel is sprayed before the vehicle is repaired. Refer to the HS Matt level swatches for additional information.

# GUN SET UP



# APPLICATION

2<sup>1</sup>/2 coat 45-60 m (1.8-2.4 mil)

Recommended application temperature is 15-30°C (59-86°F)



0,5 COAT (@ 20 CM /IN)	10 - 15 MINUTES FLASH OFF
2 medium-wet closed coats with cross layer application	15 - 20 minutes flash off between cross layers
Before Force Cure	30 minutes flash off

(1) Recommended application temperature is 15-30°C (59-86°F)

(2) The mist layer & flash-off period between coats and prior to baking is critical for the gloss level and even appearance.

(3) Cross layer application is important. The flash-off times may vary depending on application conditions. Film thickness and application technique are also important. Thin films and dry application will give lower gloss, while thick films and heavy application will give higher gloss.

#### **NEXT LAYER**



# FLASH OFF AND DRY TIMES

$\wedge$	AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
	Flash off	-	Flash off	30 minutes
	Dust free	10 - 15 minutes	Dust free	-
	Dry to handle	2 - 3 hours	Dry to handle	40 minutes
	Dry to tape	4 - 5 hours	Dry to tape	After cooling down
	Dry to sand	-	Dry to sand	After cooling down
	Dry to polish	-	Dry to polish	After cooling down

All times above depend on the layer thickness and temperature.

#### **INFRARED DRYING**



AFTER FULL FLASH OFF (30 MINUTES) AND AT PROPER DISTANCE		
Medium Wave	15-20 minutes	
Short Wave	10-15 minutes	
See IR Manufacturer information		

#### SUBSTRATES



MM 500 - 5999 BeroBase 500 Series and MM 900 - 9999 WaterBase 900<sup>+</sup> Series

#### POT LIFE AT 20°C / 68°F



60 minutes

# COMPONENTS



8-455 HS Matt Clear Coat Hardener 8-451 HS Matt Clear Coat Thinner

# ADDITIVES



# SURFACE PREPARATION



Base coat should be fully dry. See the supplementary information or associated system technique.



The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. Unless valspar agrees otherwise in writing, valspar makes no warranties, express or implied, and disclaims all implied warranties including warranties of merchantability or fitness for a particular use or freedom from patent infringement. Valspar will not be liable for any special, incidental or consequential damages. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. © 2012 The Valspar Corporation. All rights reserved.





# **PHYSICAL DATA**

EU REGULATIONS					
VOC	Code	2004/42/IIB(e)(840)560			
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product.		IIB/e. Special finishes - All types. EU limit values: 840 g/L (2007). This product contains a maximum of 560 g/L VOC.			
Chemical Base	2K Polyurethane Finish Matt				
Physical Properties	Viscosity (RTS)	14 - 19 Dincup 4 / 20°C			
	Specific Gravity (kg/l)	0,994			
	Flash Point Closed Cup	27°C / 80.6°F			
	Volume % Solids	36,3			
	Economy	7,2 m²/L/50 m			
		290 ft²/Gal/2 mil			
	Gloss	Variable Gloss			
	Colour	Semi Opaque			

Check local regulations before use.

#### 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  $10^{\circ}C - 30^{\circ}C / 50^{\circ}F - 90^{\circ}F$ ) (unopened container).



