



# Permacron® Base Coat Special Silver Repair Process Example: Nissan KAB Bluish Silver



## GENERAL

### DESCRIPTION

Permacron® Special Effect Base Coat using limited-use mixing color, MB 560, for Nissan color code, KAB, used on the Nissan GTR.

Special procedures are required for the repair process of these unique finishes.

The products referenced herein may not be available for sale in your market. Please consult your distributor for product availability.



## MIXING

### COMPONENTS

Permacron® Base Coat Series 293

### REDUCERS

Permacron® Supercryl Reducer 3054 Medium

Or

Permacron® Supercryl Reducer 3056 Slow

*For optimum reducer selection, refer to TDS #780.0.*

### GROUND COAT COMPONENTS

### HARDENERS

Permasolid® HS Hardeners

Or

Permasolid® VHS Hardeners

*For optimum hardener selection, refer to TDS # 061 or 3220-3245.*

### MIX RATIO

#### GROUND COAT

#### PERMASOLID HS HARDENERS

Component	Volume
Base Coat Series 293	1
3307 / 3309 / 3310 / 3315 / 3320 / 3325	+15%
3054 / 3056	+50%

#### PERMASOLID VHS HARDENERS

Component	Volume
Base Coat Series 293	1



3220 / 3230 / 3240 / 3245	+10%
3054 / 3056	+50%

**MID COAT**

<b>Component</b>	<b>Volume</b>
Base Coat Series 293	1
3054 / 3056	+100%

See color mixing details below.

**Nissan KAB Color Formula:**

**Ground coat formula:**

Toner:	Percentage:
MB557	96.6
MB502	3.0
MB577	0.7
MB555	0.7

**Mid coat formula:**

Toner:	Percentage:
MB560*	97.7
MB574	2.3
MB553	1.2
MB506	0.5
MB547	0.2
MB555	0.2

\* Factory Pack – Special Silver

**APPLICATION VISCOSITY**

17 - 21 seconds at 68°F/20°C, DIN 4

**POT LIFE**

Unlimited (in a sealed container)  
 Pot life for hardened basecoat is 8 hours.

**SPECIAL TIPS**

1. Maximum recoat window for hardened basecoat is 8 hours.
2. For optimal appearance, apply 1½ coats of Permacron® or Permasolid® Clear Coat over the entire repair area and after a full bake or air drying overnight, sand the area with P1500- P3000 prior to applying wet-bed and then mid coat color.



**APPLICATION**

**SUBSTRATES**

- Original or old paintwork (except reversible substrates)
- Priomat® Surfacer
- Permacron® Primer/Surfacer
- Permahyd® Primer/Surfacer
- Permasolid® Surfacer

**SURFACE PREPARATION**

- Degrease and sand.
- Prior to applying base coat, final dry sand surfacer with P500-P800 or final wet sand surfacer with P600-P800.
- Clean the entire area thoroughly before applying base coat with Permaloid® Silicone Remover 7010 Slow, Permahyd® Silicone Remover 7085, or Permahyd® Silicone Remover 7096.

**SPRAYGUN SETUP**

HVLP	1.3-1.4mm
Approved Transfer Efficiency	1.2-1.3mm

Please refer to gun manufacturer and local legislation for proper spray pressure recommendations.

**APPLICATION**

- Step 1 (ground coat): Apply ground coat color to repair area.
- Step 2: Apply 1 ½ coats of Permacron® or Permasolid® 2K Clear Coat over surfacer and entire panel. Cure the clear coat.

Sand with orbital sander using P1500 – P3000. If necessary, sand edges and corners by hand with P2000 - P3000. Do not use scuff pads. Carefully remove all orange peel and dirt nibs. Areas where color is applied should be sanded with P1000 - P1500, and areas where no color is applied should be sanded with P1500 or finer.

- Step 3: Apply wet-bed over entire panel.  
Wet-bed Instructions: Mix Permacron® or Permasolid® 2K Clear Coat as recommended then over reduce with Permacron® Reducer 3363 Medium by 300%.
- Step 4 (mid coat): Apply mid coat color to panel and blend as necessary.

**RECOMMENDED FILM THICKNESS**

2 coats for 0.6 - 0.8 mil dry film thickness  
4 coats for 0.8 - 1.7 mil dry film thickness



**DRY TIMES**

**AIR DRYING**

Drying time at 68°F/20°C:  
Flash-off time prior to clear coat: 10-15 minutes depending on reducer used

**RECOAT**

With Permacron® or Permasolid® Clear Coats




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## PHYSICAL PROPERTIES

**Coating Category:** Color Coating (HS Hardeners)

Max. VOC (AP): 630 g/l; 5.2 lbs/gal  
 Max. VOC (LE): 630 g/l; 5.2 lbs/gal  
 Avg. Gallon Weight: 905 g/l; 7.61 lbs/gal  
 Avg. Weight % Volatiles: 85.5 %  
 Avg. Weight % Water: 0.1%  
 Avg. Weight % Exempt Solvent: 0.0%  
 Avg. Volume % Water: 0.1%  
 Avg. Volume % Exempt Solvent: 0.0%

**Coating Category:** Color Coating (VHS Hardeners)

Max. VOC (AP): 630 g/l; 5.2 lbs/gal  
 Max. VOC (LE): 630 g/l; 5.2 lbs/gal  
 Avg. Gallon Weight: 905 g/l; 7.61 lbs/gal  
 Avg. Weight % Volatiles: 85.2 %  
 Avg. Weight % Water: 0.1%  
 Avg. Weight % Exempt Solvent: 0.0%  
 Avg. Volume % Water: 0.2%  
 Avg. Volume % Exempt Solvent: 0.0%

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## VOC REGULATED AREAS

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing usage and recommendations in the VOC Compliant Products Chart for your area.

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## SAFETY AND HANDLING

For industrial use only by professional, trained painters. Not for sale to or use by the general public. Before using, read and follow all label and MSDS precautions. If mixed with other components, mixture will have hazards of all components.

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.

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