

Mit P62 - Red Diamond Autobase Plus

FOR PROFESSIONAL USE ONLY

Definition and description



Mitsubishi P62 Diamond Red is a 3 stage basecoat system consisting of different layers creating a special color effect.

- Basecoat Ground-coat color
- Basecoat Mid-coat color
- Clearcoat

Color check by spray out samples

The right amount of Mid-coat layers needs to be determined by producing a number of color spray-out samples. The color depends on the Ground-coat color and number of coats applied of the Mid-coat color.

Distribute and apply the spray-out panels according to the following matrix:

1. Apply the Ground-coat color until hiding on all panels according to the TDS application of Autobase Plus.
2. Flash off in between layers
3. Leave to flash off for 15-20 minutes @20°C minutes before the Mid-coat application (or raise temperature 5-10 minutes up to 60°C)
4. Apply 2, 3, and 4 layers of the Mid-coat color to the panels. (note # of layers on the back of the panels)

Create a set of sprayout panels as below:

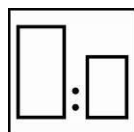
Apply Ground coat Until hiding + Drop-coat			
	2 coats RM midcoat	3 coats RM midcoat	4 coats RM midcoat

5. Allow for 15-20 minutes flash-off time at 20°C prior to clearcoat application.
6. Mask half of the panels to be left unpainted for checking the color during application on the car.
7. Apply clearcoat according to TDS of clearcoat used.

The painter can determine the right color match by use of these color samples.
 - Number each panel, indicating the number of foundation and effect coats on the panel.

Note:

- Do not spray panels separate from each other
- Allow to flash off in between coats
- Apply the same way on the vehicle as applied on the spray-out panels
- Before clear-coat application, mask half of the panel leaving one half of the panel without clearcoat, this to check color inbetween coats with the un-cleared half.



Mix Ground-coat

100 parts by volume MIT P62 Ground-coat
 50 parts by volume (Autobase) Plus Reducer

Mix Mid-coat

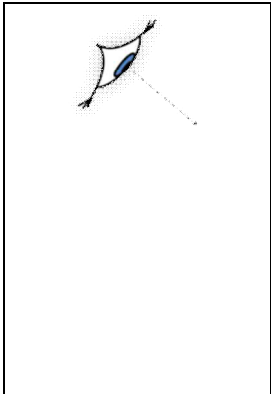
100 parts by volume MIT P62 Mid-coat
 50 parts by volume (Autobase) Plus Reducer



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Check Spray-out panels and choose the panel closest to the repair.



Check painted spray-out panels close to the repair and determine the amount of Mid-coat layers needed for imitating the OEM color.

Surface preparation

Prepare Filler/OEM as normal for any basecoat color

Filler area



Final sanding step P500-P600

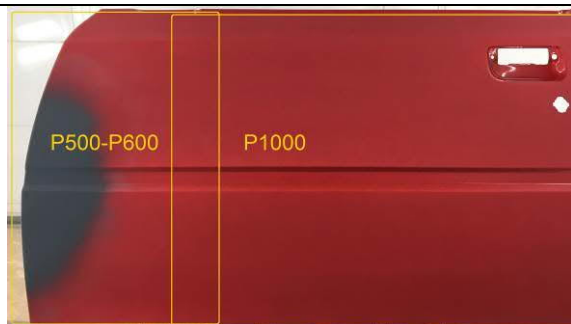
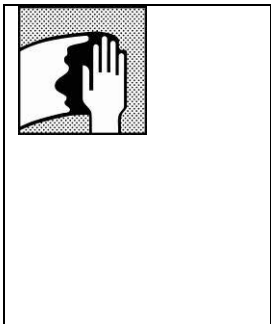
- Initial sanding steps may be executed with a coarser sanding grit; P360 - P400
- Respect a maximum 100 sanding grit step difference or less throughout the sanding procedure.
- For detailed surface preparation see TDS S8.06.02

Blending area (OEM)



Final sanding step P1000

- Initial sanding steps may be executed with a coarser sanding grit P600 - P800
- Respect a maximum 200 sanding grit step difference or less throughout the sanding procedure.
- For detailed surface preparation see TDS S8.06.02



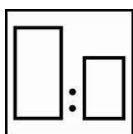
Surface cleaning: remove contamination using an appropriate surface cleaner. And tack rag prior to painting the Ground-coat

Picture 1 – Prepared and degreased area under repair

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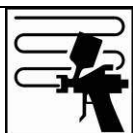
Repair process



Mix Ground-coat

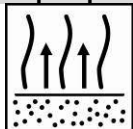
100 parts by volume
 50 parts by volume (Autobase) Plus Reducer

Use Sikkens measuring stick **1 Black**

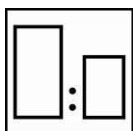


Apply Ground-coat according TDS
 respecting flash off times inbetween
 layers

Repair process



Leave to flash off for 15-20 minutes @20°C minutes before the Mid-coat application
 (or raise temperature 5-10 minutes up to 60°C)



Mix Mid-coat

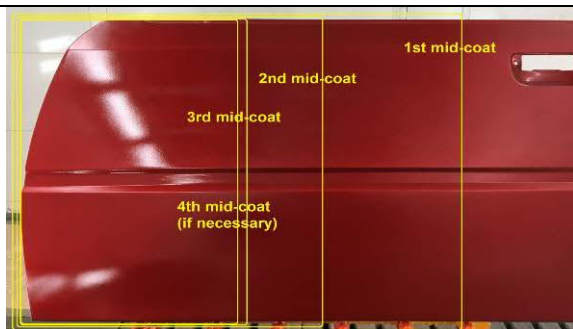
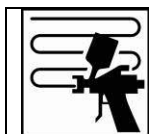
100 parts by volume
 50 parts by volume (Autobase) Plus Reducer

Use Sikkens measuring stick **1 Black**

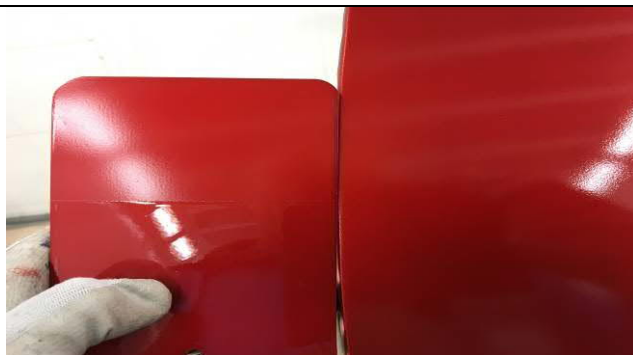
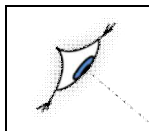


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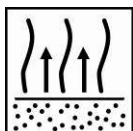
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As with all 3 stage basecoat colors apply the first coat of the Mid-coat as far as possible to determine the outer border, from there work towards the Ground-coat. (outside in)
 Leave to flash off until matt between coats.



Check repair inbetween Mid-coats if the amount of coats applied is sufficient.



Leave to flash off for 15-20 minutes @20°C minutes before the clear-coat application (or raise temperature 5-10 minutes up to 60°C)



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Clearcoat application



Apply clear-coat according to TDS
 clear-coat

Akzo Nobel Car Refinish bv..
Address: Rijksstraatweg 31, PO Box 3, 2170 BA Sassenheim.
Tel: +31(0)71308-6944

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