

Renault EQB Valencia Orange

FOR PROFESSIONAL USE ONLY

Definition and description

Renault EQB is a three stage system that consists of three separate layers to be applied to create a special effect color based on the following;

1. Basecoat ground coat color
2. Basecoat mid-coat color
3. Clearcoat gloss finish

Note: To complete the formulation of the midcoat, the following “toners” MM600 and MM700 need to be added to the mix prior to application, using with the required quantities below.

Please Note: The info below only applies to the pre – ordered ready mixed (RM) version of Renault EQB

To achieve a total of.... grams	100 grams Midcoat	500 grams of Midcoat	1000 grams of Midcoat
EQB Midcoat	91.8	459	918.0
MM600	4.6	23.0	46.0
MM700	3.7	18.8	37.0

Color check by spray out samples

The correct color match needs to be determined by producing a number of color spray-out samples. The color is determined by achieving full opacity of the ground coat color, then by applying a number of layers of the mid coat color to determine the correct color match.

Please follow the process below to determine the correct color match:

1. Mark the spray out panels on the reverse with the number of mid-coat layers to be applied (1-5)
2. Distribute spray out panels evenly in the required numbered sequence
3. Apply the correct foundation primer to all panels (Grey shade or CBP045)
4. Apply the ground coat color until opacity is reached on all panels as per basecoat TDS
5. Mask of all panels individually except one, this should be masked in a way that after each layer the masking can be removed from one panel to the next
6. Next apply one single coat of the mid-coat color to the unmasked panel
7. Allow sufficient flash-off time of the mid-coat and **remove the masking from one panel** before continuing to the next panel
8. Repeat steps six and seven until all panels have been coated with the midcoat, resulting in spray-outs panels ranging with 1-5 coats of the mid-coat
9. Allow for a 10-15 minutes flash-off time at 75°F (25°C) prior to clearcoat application
10. Before clearcoat application mask of a part of the panel to show the final basecoat color (without Clearcoat) which can be used to check the color during the repair process
11. Apply two single layers of clearcoat



- o By using these panels the technician can determine the correct color match
- o Using the indicated number on the reverse of the panel will determine the midcoats layers to be applied for the repair i.e. 1-5
- o Personal application differences makes it a recommended process that each painter creates their own spray - outs
- o To obtain an accurate color match, spray the panels as if applying to a vehicle, i.e. place all spray-outs on one larger panel and spray complete panel for each coat

DO NOT SPRAY EACH PANEL SEPARATELY.

- o The application will vary depending on temperature, humidity and applicator and therefore could have an influence on the number of midcoat layers

Renault EQB Valencia Orange

FOR PROFESSIONAL USE ONLY

Suitable substrates

All Existing OEM finishes
 All current Sikkens preparatory products with the exception of Washprimers

Surface preparation



Primer (Sanding) area

Final sanding step P500

- Initial sanding steps may be executed with a coarser sanding grit; P320 - P400
- Respect a maximum 100 sanding grit step difference or less throughout the sanding procedure
- For detailed surface preparation see TDS S8.06.02



Basecoat blend area

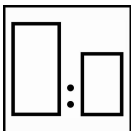
Final sanding step P1000

- 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
- Do NOT use Autowave MM666 / MM600 or a mix of both as pre-coat, it will change the depth of the OE color



Surface cleaning: remove contamination using an appropriate surface cleaner.

Groundcoat mixing / application



100 parts by volume of Groundcoat
 10-20 parts by volume Activator WB



Use Sikkens measuring stick
 14 Blue

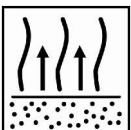


Spray gun set-up:
 1.3mm

Application pressure:
 1.8 bar at the air inlet
 HVLP max 0.6-0.7 bar at the air cap



Apply groundcoat until completely covered, flash-off after each coat fully
 Apply mist coat for even metallic orientation



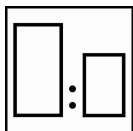
Flash off by increasing airflow until completely dry after each coat
 Mist coat has to be flashed until completely dry before midcoat application

Renault EQB Valencia Orange

FOR PROFESSIONAL USE ONLY

Midcoat mixing / application

Mix the mid-coat with the toners MM600 and MM700 as described above



100 parts by volume of Midcoat
 20-30 parts by volume Activator WB*

* **When Activator WB is added apply Midcoat Renault EQB the same day**



Use Sikkens measuring stick
 14 Blue

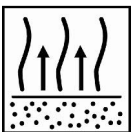


Spray gun set-up:
 1.3mm

Application pressure:
 1.8 bar at the air inlet
 HVLP max 0.6-0.7 bar at the air cap



Apply the number of midcoat layers until the desired color is achieved, flash-off after each coat till completely matt
 Check the correct color match using the pre-determined sprayout panels without clearcoat application



Flash off by increasing airflow until completely dry after each coat and before Clearcoat application

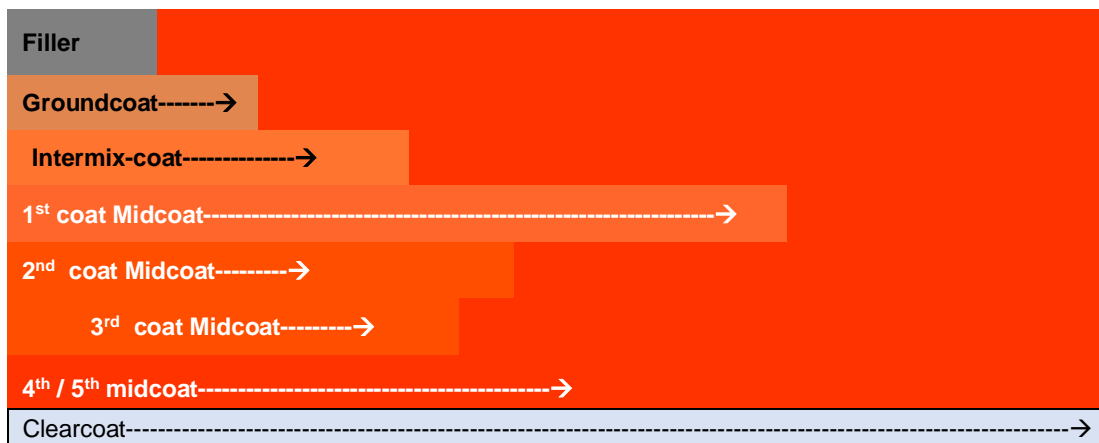
Repair Process

*Apply groundcoat as per Autowave 2.0 TDS creating a nice transition to the OEM color**

First midcoat layer should be applied to the blend area as far as possible to blend the color

Second and third layers should be applied beyond the ground coat layer but inside the first layer of midcoat along with the fourth and fifth layer if required

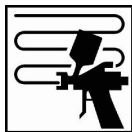
*For a smoother transition mix groundcoat with midcoat 1:1 and apply over the transition area



Renault EQB Valencia Orange

FOR PROFESSIONAL USE ONLY

Clearcoat

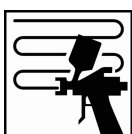


See Clearcoat T.D.S.



Use suitable respiratory protection
Akzo Nobel Car Refinishes recommends the use of a fresh air supply respirator.

Notes



- Ensure that each coat is thoroughly flashed-off.
- Application of a three stage color is the same as with Three Stage Pearl effect color.
- For further information please refer to Technical Bulletin Autowave 2.0 Three Stage Pearl application process.

Akzo Nobel Coatings LTD

Address: Unit 2B, Didcot Park
Churchward, Southmead Industrial Estate
Didcot, Oxfordshire, OX11 7HB
Tel: +44 (0)1235 862226

FOR PROFESSIONAL USE WITH SUITABLE HS&E EQUIPMENT

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Coating brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.

Head Office

AkzoNobel Car Refinishes B.V., PO Box 3 2170 BA Sassenheim, The Netherlands. www.sikkenscr.com