

# CROMAX® EZ+ WATERBORNE BASECOAT



## PRODUCT DESCRIPTION

An easy to use, wet-on-wet basecoat for outstanding colour performance, flexibility and value. Good hiding, improved blending and excellent mottling control make all repairs easier and quicker. It also offers access to a constantly updated library of over 100,000 solid, metallic, and pearlescent colour formulas. And innovative squeezable bottles ensure more accurate dosages and minimise waste. Cromax EZ+ is the new standard for waterborne basecoat performance and cost efficiency.

## FEATURES

- 01 Innovative waterborne formula
- 02 New bottle packaging gives access to the entire contents
- 03 Access to >100,000 colour formulas
- 04 Perfect coverage with 2½ wet on wet coats
- 05 Part of complete Cromax paint system
- 06 Fits current processes
- 07 No need to set up a mixing machine

# TECHNICAL DATA SHEET

## CROMAX® EZ+

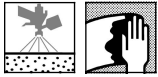


## WATERBORNE BASECOAT

### Product preparation - application STANDARD / 2-STAGE



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Old or original paintwork well sanded and cleaned.  
Primer-surfacer or Surfacer, sanded and cleaned  
Primer-Surfacer or Surfacer, unsanded in a wet-on-wet process  
Repair areas should be sanded with P500-P600 (by machine) or P800-P1000 (by hand) and cleaned  
Surfaces must be prepared and cleaned correctly before application



| Relative Humidity |             | Basecoat | Controller |
|-------------------|-------------|----------|------------|
| >30%              | All colours | 100      | 20% EZ340  |
| <30%              | All colours | 100      | 20% EZ345* |

Ensure bottles are thoroughly shaken before mixing colour.

\*to be used at low relative humidity <30% and/or when temperature is high >30°C (hot&dry).

Best to be used within 72 hours after the addition of Cromax EZ+ Controller EZ340/EZ345. Stored material should be stirred well before use.

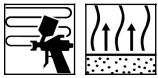


Not applicable



|           | Spray nozzle | Spray pressure |                      |
|-----------|--------------|----------------|----------------------|
| Compliant | 1.2 - 1.3    | 1.8 - 2 bar    | inlet pressure       |
| HVLP      | 1.2 - 1.3    | 0.7 bar        | atomisation pressure |

see manufacturer's instructions



0.5+2 Apply a light coat (mist coat) and do not allow to flash-off. Apply a closed coat by wetting the surface sufficiently (do not try to achieve full hiding). Finally apply a second coat with slightly increased distance to the object and applied in close overlaps into the still wet first layer.

Final flash-off until matt before clearcoating. Forced drying possible



Clearcoat

VOC compliant

2004/42/II(d)(420) 420: The EU limit value for this product (product category: IIB(d)) in ready to use form is maximum 420 g/l of VOC. The VOC content of this product in ready to use form is maximum 420 g/l.

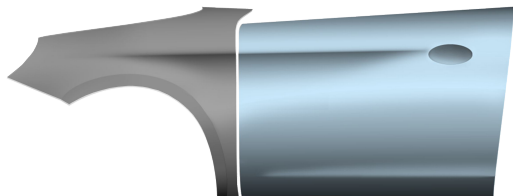
# TECHNICAL DATA SHEET

**CROMAX® EZ+**

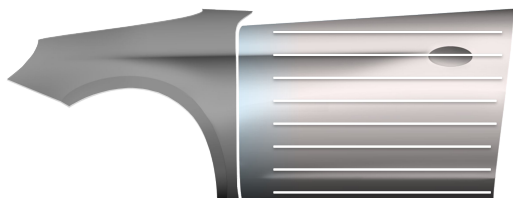


## WATERBORNE BASECOAT

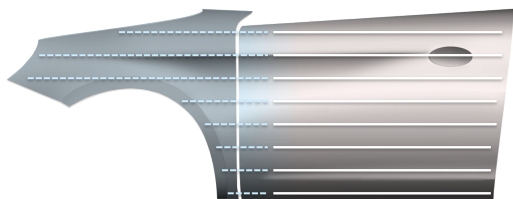
### Cromax EZ+ Blend in process for 2-stage colours



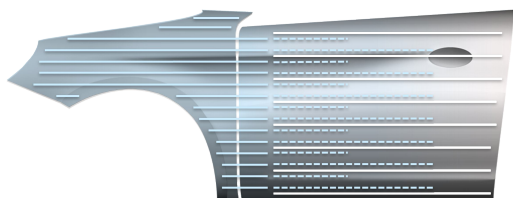
Prepare the repair and blend panel as usual. Clean the surface with 3911WB Cromax® Waterborne Final Clean prior to basecoat application.



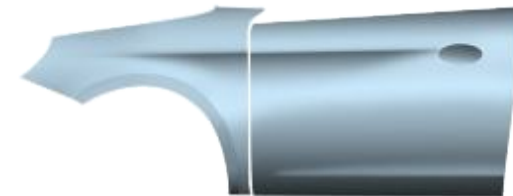
Apply Cromax® EZ+ Blender to the blend area, do not allow to flash-off.



Apply a mist coat of Cromax® EZ+ Basecoat over the repair area and up to the edge of the wet blender.



Immediately apply a light coat of the Cromax® EZ+ Basecoat to the farthest point to create the blend. Apply a second light coat to the blend-in area finishing inside of the first to complete the blend and ensure a good connection between the basecoat and blender. Apply 2 coats as normal to the repair area in a wet-on-wet process. Cromax® EZ+ Basecoat is designed to have a fine texture in the wet film. This fine texture will guide you through the entire application process.



After final flash-off you will achieve a super smooth surface finish to apply the clearcoat on.

Cromax EZ+ Basecoat Blender is not recommended for dark colours.

Cromax EZ+ Slow Blender EZ355 is suitable for low relative air humidity (<30%) and/or at temperatures above 30°C. For best performance mix it with 10% EZ345 Slow Controller prior to application.

# TECHNICAL DATA SHEET

## CROMAX® EZ+

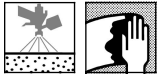


## WATERBORNE BASECOAT

### Product preparation - application STANDARD / 3-STAGE



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Old or original paintwork well sanded and cleaned.  
Primer-surfacer or Surfacer, sanded and cleaned  
Repair areas should be sanded with P500-P600 (by machine) or P800-P1000 (by hand) and cleaned  
Surfaces must be prepared and cleaned correctly before application



|                |             | Basecoat | Activator | Controller      |
|----------------|-------------|----------|-----------|-----------------|
| Ground coat    | All colours | 100      | 5% EZ370  | 20% EZ340/EZ345 |
| Effect/midcoat | All colours | 100      | -         | 20% EZ340/EZ345 |

Stir after each step.

To compensate for the use of EZ370 Cromax EZ+ Activator in Cromax EZ+ Basecoat, it is recommended to use a slower setting, than normally would be advised.

A slower controller EZ345 can be used and up to 10% TN800W can be added.



Not applicable



|           | Spray nozzle | Spray pressure |                      |
|-----------|--------------|----------------|----------------------|
| Compliant | 1.2 - 1.3    | 1.8 - 2 bar    | inlet pressure       |
| HVLP      | 1.2 - 1.3    | 0.7 bar        | atomisation pressure |

see manufacturer's instructions



|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| 0.5+2 Ground Coat (activated) | Flash-off until matt. Forced drying recommended                        |
| 0.5+2 Effect/midcoat          | Final flash-off until matt before clearcoating. Forced drying possible |



Clearcoat

VOC compliant

2004/42/IIB(d)(420) 420: The EU limit value for this product (product category: IIB(d)) in ready to use form is maximum 420 g/l of VOC. The VOC content of this product in ready to use form is maximum 420 g/l.

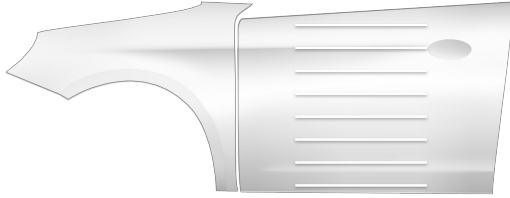
# TECHNICAL DATA SHEET

**CROMAX® EZ+**

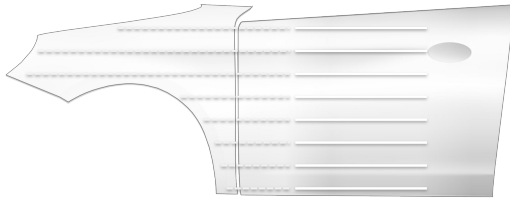


## WATERBORNE BASECOAT

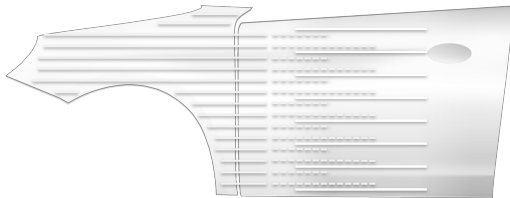
### Cromax EZ+ Blend in process for 3-stage colours



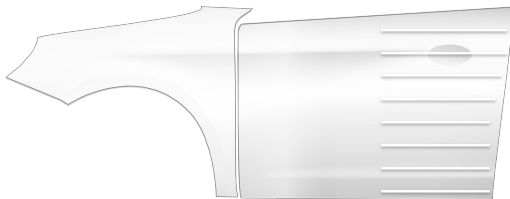
Activate both Cromax® EZ+ Basecoat Groundcoat Colour and blender with 5% EZ370 Cromax® EZ+ Activator. In addition add 20% of EZ340/EZ345 Cromax® EZ+ Controller to the Cromax® EZ+ Basecoat Groundcoat Colour. Apply activated Cromax® EZ+ Blender to the blend area and do not allow to flash off. Do not apply to the extreme edges of the blend panel as you will need this room to blend the effect layer into.



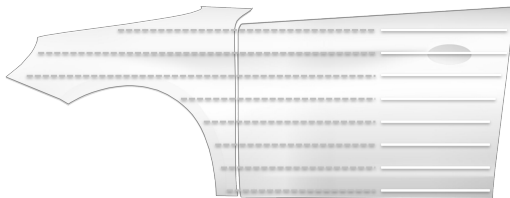
Apply a mist coat of the Cromax® EZ+ Basecoat Groundcoat Colour over the repair area and up to the edge of the wet blender.



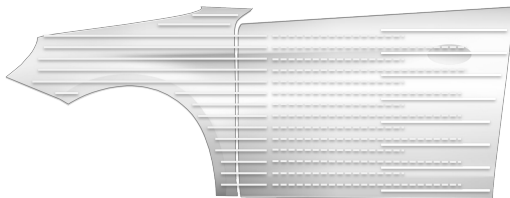
Immediately apply a light coat of the Cromax® EZ+ Basecoat Groundcoat Colour to the farthest point to create the blend. Apply a second light coat to the blend-in area finishing inside of the first to complete the blend and ensure a good connection between the basecoat and blender. Apply 2 coats as normal to the repair area in a wet-on-wet process. After a short flash-off force dry the activated groundcoat for 10-15 minutes @60-65°C. Allow to cool.



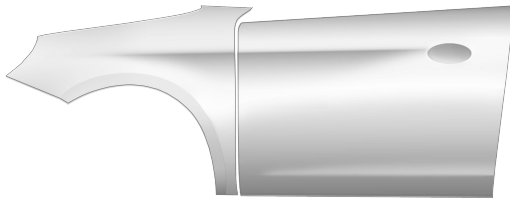
Apply Cromax® EZ+ Blender (non-activated) to the remaining blend area, do not allow to flash-off.



Apply a mist coat of Cromax® EZ+ Basecoat Effect Colour over the repair area and up to the edge of the wet blender.



Immediately apply a light coat of the Cromax® EZ+ Basecoat Effect Colour to the farthest point to create the blend. Apply a second coat to the blend-in area finishing inside of the first to complete the blend and ensure a good connection between the basecoat and blender. Apply the required number of coats identified earlier in the sprayout process to the repair area in a wet-on-wet process.



Flash-off the Cromax® EZ+ Basecoat Effect Colour by using either a short bake, an in-built air moving system or by handheld venturi blowers. Apply your chosen clearcoat.

# TECHNICAL DATA SHEET

**CROMAX® EZ+**



## WATERBORNE BASECOAT

Cromax EZ+ Slow Blender EZ355 is suitable for low relative air humidity (<30%) and/or at temperatures above 30°C. For best performance mix it with 10% EZ345 Slow Controller prior to application.

# TECHNICAL DATA SHEET

## CROMAX® EZ+

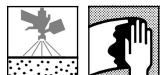


## WATERBORNE BASECOAT

### Product preparation - application STANDARD EZ370 activated



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Old or original paintwork well sanded and cleaned.  
Primer-surfacer or Surfacer, sanded and cleaned  
Primer-Surfacer or Surfacer, unsanded in a wet-on-wet process  
Repair areas should be sanded with P500-P600 (by machine) or P800-P1000 (by hand) and cleaned  
Surfaces must be prepared and cleaned correctly before application



|                      |             | Basecoat | Blender | Activator | Controller |
|----------------------|-------------|----------|---------|-----------|------------|
| For use under CC6750 | All colours | 100      |         | 5%        | 20%        |
| Multi-toning         | All colours | 100      |         | 5%        | 20%        |
| Underhood / interior | All colours | 100      |         | 10%       | 20%        |
| Blending             |             |          | 100     | 5%        |            |

Cromax EZ+ Basecoat has the ability to be activated with EZ370 Cromax EZ+ Basecoat Activator for use in multi-toning, 3-stage ground colours, underhood/interior and for general application, where the basecoat requires to be activated (e.g. underneath CC6750). The table illustrates the main details, this can also be found in the colour tools when preparing the colour ready for use. TN800W Cromax Waterborne Reducer can be added for application in lower humidity and/or warmer climates.

All amounts are cumulative.

Stir after each step.

A slower controller can be used and up to 10% TN800W can be added.

For use of 3-stage colours underneath CC6750 all layers (ground colour, effect coat & blender) need to be activated according to the above specifications.

For multi-toning every layer but the last one needs to be activated, except for use underneath CC6750 all layers need to be activated.

When using CC6750, the Basecoat blender needs to be activated according the above specifications.



For optimum application properties, apply the Cromax EZ+ Basecoat immediately after addition of EZ370 Cromax EZ+ Basecoat Activator and EZ340/EZ345 Cromax EZ+ Basecoat Controller.

Solid colours: 5%: 1 hr 30 min - 2 hr

Solid colours: 10%: 45 min - 1 hr

Effect colours: 5%: 45 min - 1 hr

Effect colours: 10%: 30 min - 1 hr

Blender: 5%: 1 hr - 1 hr 30 min



|           | Spray nozzle | Spray pressure |                      |
|-----------|--------------|----------------|----------------------|
| Compliant | 1.2 - 1.3    | 1.8 - 2 bar    | inlet pressure       |
| HVLP      | 1.2 - 1.3    | 0.7 bar        | atomisation pressure |

see manufacturer's instructions



|            | Underhood 10% ambient/bake | CC6750 5% ambient/bake | CC6750 5% in booth venturies |
|------------|----------------------------|------------------------|------------------------------|
| 20 °C      | 12 hr - 16 hr              | 15 min - 25 min        | -                            |
| 35 - 40 °C | -                          | -                      | 8 min - 12 min               |
| 60 - 65 °C | 15 min - 20 min            | 10 min - 15 min        | -                            |



Clearcoat  
Clearcoat not needed for interior use

VOC compliant

2004/42/IB(d)(420) 420: The EU limit value for this product (product category: IIB(d)) in ready to use form is maximum 420 g/l of VOC. The VOC content of this product in ready to use form is maximum 420 g/l.

# TECHNICAL DATA SHEET

## CROMAX® EZ+

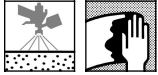


## WATERBORNE BASECOAT

Product preparation - application Special Colours using Cromax EZ EZ360 Effect Adjuster+



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Old or original paintwork well sanded and cleaned.  
Primer-surfacer or Surfacers, sanded and cleaned  
Repair areas should be sanded with P500-P600 (by machine) or P800-P1000 (by hand) and cleaned  
Surfaces must be prepared and cleaned correctly before application



|                |                | Basecoat | Blender     | Activator | Controller  | Effect Adjuster |
|----------------|----------------|----------|-------------|-----------|-------------|-----------------|
|                |                |          | EZ350/EZ355 | EZ370     | EZ340/EZ345 | EZ360           |
| Special Colors | Effect colours | 100      |             |           |             | 300%*           |
| Ground Colors  | All colours    | 100      |             | 5%**      | 20%         |                 |
| Blending       |                |          | 100         | 5%**      |             |                 |

\*please refer to the "ready-for-use" function in Chromaweb to select the appropriate "Special Colour" product adjustment of the Cromax EZ+ Basecoat Colour in use.

All amounts are cumulative.

\*\*limited potlife, please refer to page "application STANDARD EZ370 activated".

When EZ360 Effect Adjuster is added to the Special Colour, thoroughly stirring is required before every usage within the recommended potlife of 3 days/72 hours.



Special Colours mixed with 300% EZ360: 3 days



|           | Spray nozzle | Spray pressure |                      |
|-----------|--------------|----------------|----------------------|
| Compliant | 1.2 - 1.3    | 1.8 - 2 bar    | inlet pressure       |
| HVLP      | 1.2 - 1.3    | 0.7 bar        | atomisation pressure |

see manufacturer's instructions



0.5+2 Ground coats (2K Activated)

flash-off until matt Forced drying recommended

3 - 5 Mist coats (Special Colour) 1.: Restrict the fluid flow on the spray gun using the material adjustment valve by opening 1.5-2.5 turns\* from fully closed. Settings are dependent on different spray gun manufacturers (e.g. SATA RP1.2 = open material delivery by 1.5 turns from closed\*\*). 2.: Apply 3-5 mist coats with 30-35 cm distance to the object. Do not apply closed or wet coats. Too wet application might lead to patchiness and mottling. Use tack cloth between coats. Verify spray pattern prior to application. \*In drier conditions (<30% relative humidity) more fluid flow may be required. \*\*Alternatively a 1.1 fluid tip with fully opened fluid flow may be used if applicable

flash-off until matt blow dry between coats



Clearcoat

VOC compliant

2004/42/IB(d)(420) 420: The EU limit value for this product (product category: IIB(d)) in ready to use form is maximum 420 g/l of VOC. The VOC content of this product in ready to use form is maximum 420 g/l.

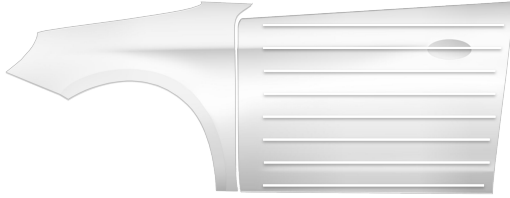
# TECHNICAL DATA SHEET

**CROMAX® EZ+**

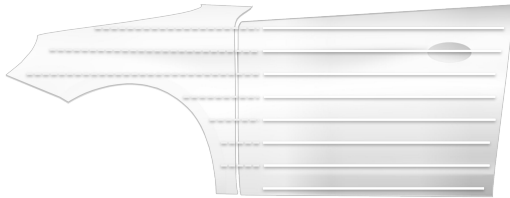


## WATERBORNE BASECOAT

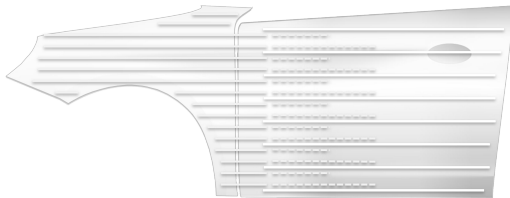
Cromax EZ+ Blend in process for Special Colours using EZ360 Effect Adjuster+



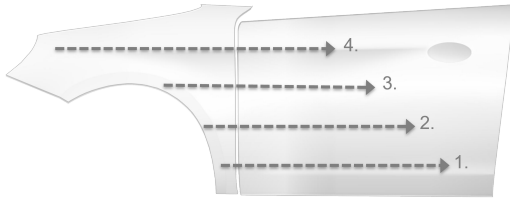
Apply a closed coat of activated EZ350/EZ355 Cromax® EZ+ Blender (blender +5% EZ370 Cromax® EZ+ Activator) to the adjacent blending area (panel). Do not fade out the blender and apply up to the edge of the panel



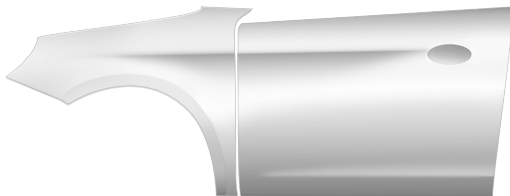
Apply a mist coat of the Cromax® EZ+ Basecoat Groundcoat Colour over the repair area and up to the edge of the wet blender.



Immediately apply a light coat of the Cromax® EZ+ Basecoat Groundcoat Colour to the farthest point to create the blend. Apply a second light coat to the blend-in area finishing inside of the first to complete the blend and ensure a good connection between the basecoat and blender. When using white solid colours, reduced fluid flow (material delivery) and fading in towards the repair area will help to avoid the formation of heavy droplets. Apply 2 coats as normal to the repair area in a wet-on-wet process. For appropriate product adjustment, please refer to Chromaweb "ready-for-use" information of the colour in use. Flash off and dry (forced drying is recommended - do not use hand blowers at this stage).



Allow panel to cool down completely. Adjust the Special Colour according to the "ready-for-use" information given in Chromaweb for the Special Colour in use. 1.: Restrict the fluid flow on the spray gun using the material adjustment valve by opening 1.5-2.5 turns from fully closed. Settings are dependent on different spray gun manufacturers (e.g. SATA RP1.2 = open material delivery by 1.5 turns from closed). 2.: Apply the first mist coat to the widest area and flash off. Apply subsequent mist coats using an out-side-in technique. Flash off between coats. Ensure a distance to the object of approx 30-35 cm. Do not apply closed or wet coats. Too wet application might lead to patchiness and mottling. Use tack cloth between coats. 3.: Finally flash off in readiness for clearcoat.



Apply clearcoat to finish the repair.

Cromax EZ+ Slow Blender EZ355 is suitable for low relative air humidity (<30%) and/or at temperatures above 30°C. For best performance mix it with 10% EZ345 Slow Controller prior to application.

# TECHNICAL DATA SHEET

**CROMAX® EZ+**



## WATERBORNE BASECOAT

### Products

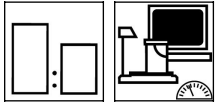
Cromax® EZ+ Mixing Color EZ340 Controller+  
Cromax® EZ+ Mixing Color EZ345 Slow Controller

EZ350 Cromax® EZ+ Blender+  
EZ355 Cromax® EZ+ Slow Blender+

Cromax® EZ+ Activator+ EZ370

EZ360 Cromax® EZ+ Effect Adjuster +

### Product mix



Mixing ratios with special agents are available in the productmix table on ChromaWeb and in the specific TDS.



10 - 25 µm All colours

### Theoretical coverage

105 m<sup>2</sup>/l at 1 micron dry film thickness

Due to different activator characteristics and different mixing ratios of the ready-to-use mixture in some TDS versions, the theoretical coverage calculation may vary.

Note: The practical material consumption depends on several factors, e.g. geometry of the object, surface formation, application method, spray gun setting, inlet pressure, etc.



Clean after use with a suitable waterbased cleaning thinner.

### Waste treatment

The polluted waste water can be either handled as chemical waste or it can be treated with coagulant 16.30 that will separate solid from liquid components and reduce your chemical waste by 60% or more. - Procedure Add 1% of 16.30 to the polluted waste water and mix thoroughly (with mixer) for 3-5 min until you see the solid material separating. Filter out the solid chemical waste. The separated solid waste and water have to be treated according to local regulations.

# TECHNICAL DATA SHEET

**CROMAX® EZ+**



## WATERBORNE BASECOAT

### Remarks

- Material has to be at room temperature (18-25°C) before use.
- Ready for use basecoat should be filtered through 125µm sieves prior to application.
- All tools and equipment used with this product must be approved for waterborne paint.
- Flash-off time can be reduced by using air blowers, spray booth blower systems or increasing spray booth temperature.
- Allow additional time for preheating up to panel temperature.
- All stated drying and flash-off times are related to relative humidity and type of blowing equipment.
- Recommended transport and storage between 5 and 35°C (do not expose at temperature below 5°C).
- Best to be used within 72 hours after addition of Cromax EZ+ Controller EZ340/EZ345
- Shake Cromax EZ+ tints vigorously for minimum 10 seconds before mixing or pouring.
- Cromax EZ+ Basecoat activated and non-activated has to be overcoated with clearcoat with 72 hours.
- Ready for use, non-activated, Cromax EZ+ Basecoat can be used within 6 months, but Cromax EZ+ Controller must be added again in the same ratio before using. We advise to make a colour spray-out card prior to applying on the vehicle. Opacity may be affected by this 2nd addition of Cromax EZ+ Controller.

Consult Safety Data Sheet prior to use. Observe the precautionary notices displayed on the container.

All other products referred to in the refinish build up are from our Cromax product range. System properties will not be valid when the related material is used in combination with any other materials or additives which are not part of our Cromax product range, unless explicitly indicated otherwise.

For professional use only! The information provided in this documentation has been carefully selected and arranged by us. It is based upon our best knowledge on the subject at the date of issuance. The Information is given for information purposes only. We are not liable for its correctness, accuracy and completeness. It is up to the user to check the information with regard to up-to-dateness and suitability for his intended purpose. The intellectual property in this Information, including patents, trademarks and copyrights, is protected. All rights reserved. The relevant Material Safety Data Sheet and Warnings displayed on the product label need to be observed. We may modify and/ or discontinue operation of all or portions of this Information at any time in our sole discretion, without notice and assume no responsibility to update the Information. All rules set forth in this clause shall apply accordingly for any future changes and amendments.