

Autoclear Classic Mat

FOR PROFESSIONAL USE ONLY

Description

Two-component colorless matte finish for application over Autobase Plus and Autowave basecoats. It can be applied fully matte, or in conjunction with Autoclear Classic gloss clearcoat, so different levels of gloss can be achieved.

Product and additives

Autoclear Classic Mat
Hardener Classic
Plus Reducer

Basic raw materials

Autoclear Classic Mat: Acrylic resin
Hardener Classic: Poly-Isocyanate resins
Plus Reducer: Various solvents

Suitable substrates

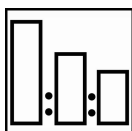
Autobase Plus
Autowave

Substrate preparation

Before application, make sure that the basecoat layer is clean and free of dust, care must be taken to avoid dirt at all stages, remembering that the removal of dirt from the matte coating is not possible with polishing process.

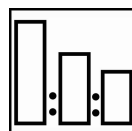
Note: for surface preparation, check the basecoat data sheet.

Gloss level adjustments



For maximum matting level

4 parts Autoclear Classic Mat
1 part Hardener Classic
10% Plus Reducer



For semi-gloss to semi-matte

Once the gloss level has been determined, mix the Autoclear Classic Mat with the required amount of gloss clear. Recommended application of spray out panel to assess the level of gloss achieved, before application to the vehicle.

Gloss level	Autoclear Classic (in volume)	Autoclear Classic Mat (in volume)
High Gloss	100	0
Semi-gloss Semi-matte	70	30
	50	50
	30	70
Matte	0	100

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Then follow the indicated mixing ratio

4 parts	Mixture of Classic matte clear + Classic gloss clear
1 part	Harneder Classic
10% - 30%	Plus Reducer

The gloss levels achieved will vary depending on the film layer and the painter's application.

Spray Gun Adjustment / Application Pressure



Nozzle:

1.3 – 1.4 mm

Application pressure:

1.7 – 2.2 bar
For HVLP maximum 0.7bar

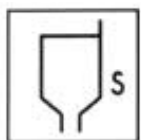
Application process



Use the correct reducer according to the temperature.
Apply two single coats with a 10-minute flash-off.
Wait an interval of 20 minutes at room temperature before drying at 60°C.

Note: The flash-off interval depends on temperature and air circulation conditions.
It is not recommended to wash the vehicle with an aggressive cloth or sponge.

Viscosity



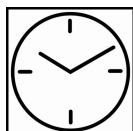
26 - 30 seconds Ford Cup 3 at 25°C

Pot-life

Autoclear Classic Mat (or Mixture with glossy Clear)

2 hours at 20°C

Drying times



20°C	60°C
24H	30 MIN

Film thickness and theoretical yield

Theoretical yield from 6.0 to 7 m²/litre for a dry film thickness between 55 and 65 µm.

The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, pressure and application circumstances.

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Cleaning of equipment

Sikkens Solvent or solvent borne guncleaners

VOC

VOC: 612 g/liter

Product storage

Product shelf-life is determined when products are stored unopened at 20°C.
Avoid extreme temperature fluctuation.

AkzoNobel Car Refinish bv.
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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.

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