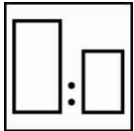


# Autobase<sup>®</sup> Plus

FOR PROFESSIONAL USE ONLY

## Description

Autobase Plus basecoat provides excellent coverage, metallic control and sprayability when used to duplicate OEM solid, metallic and pearl color effects. Autobase Plus must be used in conjunction with a Sikkens clearcoat in order to provide protection from the environment. Autobase Plus is the superior choice to achieve optimal color match.



100 Autobase Plus  
50-80 Plus Reducers



Use Sikkens measuring stick

**1** Black



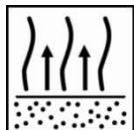
Spray gun set-up:  
1.2-1.5 mm

Application pressure:  
1.7-2.2 bar at the air inlet  
HVLP max 0.6-0.7 bar at the air cap



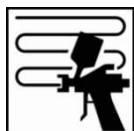
Application metallic colors:  
Full coat – intermediate coat – drop coat

Application solid colors:  
2 x 1 coat



Between coats  
3 – 5 minutes at 20°C

Before clearcoat application  
15 minutes at 20°C



Clearcoat application  
See clearcoat T.D.S



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

Read complete TDS for detailed product information

# Autobase<sup>®</sup> Plus

FOR PROFESSIONAL USE ONLY

## Description

Autobase Plus basecoat provides excellent coverage, metallic control and sprayability when used to duplicate OEM solid, metallic and pearl color effects. Autobase Plus must be used in conjunction with a Sikkens clearcoat in order to provide protection from the environment. Autobase Plus is the superior choice to achieve optimal color match.

## Suitable substrates

All Existing OEM finishes, with the exception of thermoplastic acrylic finishes.  
All current Sikkens preparatory products.  
With the exception of direct application on acid containing Washprimers

## Product and additives

Autobase Plus MM (MM) colors

### Plus

**Reducers** Plus Reducer Fast; spot and panel repairs, temperature range: 15°C-25°C.  
Plus Reducer Medium; spot and panel repairs and large areas, temperature range: 20°C-30°C.  
Plus Reducer Slow; larger areas and complete paint jobs, temperature range: 25°C-35°C.  
Plus Reducer Extra Slow; to use in extremely hot temperatures, temperature range: above 35°C.

**Additives** Blending Agent: Additive specially developed for easier application of spot repairs and fade-outs  
Hardener P25: extend recoat time, improve stone chip resistance and adhesion properties

## Basic raw materials

Autobase Plus: Physical drying binders  
Autobase Plus Blending Agent: Physical drying binders

## Surface preparation



Final sanding step P500  
○ For detailed surface preparation see TDS S8.06.02



Final sanding step P1000  
○ For detailed surface preparation see TDS S8.06.02



Remove contamination using an appropriate cleaner

2

# Autobase<sup>®</sup> Plus

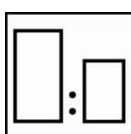
**FOR PROFESSIONAL USE ONLY**
**Mixing**

**Mixing Machine**

Stir MM colors on mixing machine every 4 hours for 15 minutes


**Stir after mixing**

Autobase Plus MM colors must be stirred thoroughly directly after mixing the color formula


**Standard system**
**100** Autobase Plus

**50-80** Plus Reducers

Use measuring stick No. 1 Black

**When using Autoclear LV Superior**
**100** Autobase Plus + 10% Hardener P25

**50-80** Plus Reducer

Use measuring stick 1

**NOTE:**
**Special enhancements to the Autobase Plus system.**

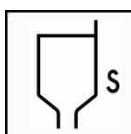
To improve: elasticity, recoat properties, stone chip resistance, adhesion properties and total system robustness it is possible to add Hardener P25 to Autobase Plus. The Hardener is added in the ratio of 10% by volume of the base (color) mix prior to adding Plus Reducers. After adding hardener mix thoroughly and mix with Reducer as mentioned above.

- When Autobase Plus + 10% Hardener P25 combination is used, it is advised to check the color by use of a spray-out prior to application.

**Color mixing by hand:**

If an Autobase Plus color is made without the use of a formula it is essential to incorporate MM Q065 into the hand mixed formula; mix 3 parts of the color with 1 part of the MM Q065.

**Elast-O-Actif** should **not** be added into the Autobase Plus color.

**Viscosity**


16–17 seconds DIN cup 4 at 20°C.

**Spray gun set-up / application pressure**

**Spray gun**  
Gravity feed

**Fluid tip – set-up**  
1.2-1.5 mm

**Application pressure**  
1.7-2.2 bar at the spray gun air inlet  
HVLP max 0.6-0.7 bar at the air cap

3/2

# Autobase<sup>®</sup> Plus

FOR PROFESSIONAL USE ONLY

## Pot-life

6 months when stored in a closed can at 20°C.  
4 hours at 20°C in a closed can, when mixed with hardener.  
Stir the ready to spray mixture thoroughly before use.

## Application process

### Solid colors

Apply 2 single coats or until opacity is achieved. Flash-off between coats until completely matt

### Metallic colors

Apply a closed wet coat. Next apply a light wet coat. Flash-off between coats until completely matt.  
Next apply a mist coat.

### Spot repairs:

Decrease application pressure and apply thin coats until opacity is achieved  
Dry until matt before fading out well beyond the edges. In case of metallic colors apply a drop coat if needed.  
*In the case of well hiding colors, transparency can be increased by adding Blending Agent or MM070 RTS to the mixed color.*

*Note: Mix (3 parts of the MM Q070 with 1 part of the MM Q065) then mix combination, 100 parts to 50 parts reducer before use.*

Allow for a minimum of 15 minutes final flash-off time at 20°C before clearcoat application.

### Blending Agent:

Autobase Plus Blending Agent can be used ready to spray as a pre-coat.  
Apply a full wet coat to the maximum fade-out area and allow to flash off until fully dried.  
Apply the Autobase Plus color within the Blending Agent area.

## Film thickness

<b>Solid colors:</b>	microns
Per coat	7.5-10
By using the recommended application (2 coats)	15-20
<b>Metallic colors:</b>	
Per coat	7.5-10
By using the recommended application (2 coats)	15-20

## Masking

# Autobase<sup>®</sup> Plus

**FOR PROFESSIONAL USE ONLY**

Autobase Plus solid, metallic and pearl colors can be taped after 20 minutes flash-off at 20°C.

Temperature increase in combination with air movement increase the ability for masking.

Let the object cool down to ambient temperature before masking after which a second color of Autobase Plus can then be applied

## Denibbing

Allow Autobase Plus to flash off sufficiently, at least 20 minutes at 20°C.

Then lightly sand the damaged area with P500 free-cut dry or P1000 grit wet sanding paper sanding paper. Thoroughly remove sanding residue before continuing Autobase Plus application.

## Recoatable with

All current Sikkens clearcoats

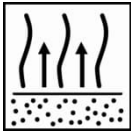
With the exception of;

Autoclear LV

Autoclear UV

Autoclear 2.0

## Recoat time



Autobase Plus Solid: 5 hours

Autobase Plus Metallic and Pearl: 48 hours (2 days)

To extend the re-coat time of solid colors up to 48 hours (2 days), mix Autobase Plus as follows:

Stir the Autobase Plus color thoroughly before adding 10% Hardener P25.

Stir this mixture thoroughly before adding Plus Reducer, then stir again thoroughly

The Autobase Plus color and the hardener must be mixed thoroughly prior to the addition of the Reducer to gain the required system property.

## Theoretical coverage

By using the recommended application the theoretical material usage is  $\pm 10 \text{ m}^2/\text{l}$  RTS mixture.

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

## Cleaning of equipment

Sikkens Solvents or solvent borne Guncleaners

## VOC

The VOC content of this product in ready to use form is 744 g/lit RTS with 50% Plus Reducer and 803g/lit Plus Reducer mixture

When 10% hardener is added prior to the Reducer 755 - 767 g/liter RTS mixture

## Product storage

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

Avoid extreme temperature fluctuation.

Product shelf life data see TDS S9.01.02

**Akzo Nobel Pty Ltd T/A Akzo Nobel Car Refinishes Australia**  
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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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