



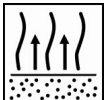



EZ Matte™

Programmed System Technique (PST)
Clearcoat
03/30/2020

DESCRIPTION

Lesonal EZ Matte is a matting additive and matting reducer used in combination that is designed to work with Lesonal Clearcoats. They are added to the ready to spray clearcoat mixture to obtain gloss levels ranging from flat to semi-gloss.

Safety Considerations 	Use suitable personal protection Akzo Nobel Car Refinishes recommends the use of fresh air supply respirator Refer to the product Safety Data Sheet (SDS) for more complete safety information.	
Mixing 	Mixing is dependent on the clearcoat used and is provided in the EZ Matte TDS. EZ Matte CAN be mixed with: <ul style="list-style-type: none">• Universal Clear• Pro Air Clear 2 Pack• Pro Air Clear LV 2 Pack	EZ Matte CANNOT be mixed with: <ul style="list-style-type: none">• Universal EcoClear LV
Equipment 	Spray gun set up: <ul style="list-style-type: none">• 1.2-1.4 mm HVLP Gravity• 1.2-1.4 mm Compliant Gravity	Application pressure: <ul style="list-style-type: none">– HVLP – 10 psi (<0.7 bar) at cap maximum.– Consult spray gun manufacturer specifications.
Application 	3 x 1 Coats On small parts and cladding, Fast clearcoats may be used and applied in 2 coats to increase productivity. Potlife will be decreased significantly and material should be mixed per coat.	
Flash-off 	Flash Between Coats at 70°F (20°C) <ul style="list-style-type: none">• 10-20 minutes Allow clearcoat to completely flash before applying subsequent coats. Gloss will visually appear lower.	Flash Before Clearcoat at 70°F (20°C) <ul style="list-style-type: none">• 20-30 minutes Do not bake until clearcoat is no longer patchy or has shiny spots.
Drying / Curing 	✓ Cure at recommended temperatures and times according to the TDS of the specific clearcoat being used.	

Read complete TDS for detailed product information

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PRODUCT AND ADDITIVES

Product	• EZ Matte	– Item # 510528
	• EZ Matte Reducer	– Item # 510529
Additives	• Lesonal Flex Additive	– Item # 396027

METHOD OF USE

Suitable substrates	• Lesonal Basecoat SB
	• Lesonal Basecoat WB
	• Properly prepared existing finishes

Basic Raw Materials	• Lesonal EZ Matte	– Acrylic resins
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Substrate Preparation



Sanding Preparation

- | | |
|-------------------------|--------------|
| Existing Finishes - Dry | • #P500-P600 |
| Existing Finishes - Wet | • #P600-P800 |

✓ Sanded high-gloss clearcoat preferred.

Surface Cleaning



Prior to Paint Application

Clean with Lesonal Surface Cleaner or Autoprep UltraPrep (VOC compliant).

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Product Agitation



Stirring

- Because EZ Matte and EZ Matte Reducer are viscous products, they need to be thoroughly agitated before use.

Mixing Instructions



Mixture amounts yield **1 pint** of ready to spray clearcoat.

Universal Clear	Item #	20-30 G.U. at 60°	10-20 G.U. at 60°	<10 G.U. at 60°
Universal Clear	398547	158g	153g	146g
Lesonal Flex Additive	396027	18g	17g	16g
Lesonal Clear Hardener	395734	64g	60g	57g
Lesonal Slow Reducer	394695	56g	53g	50g
EZ Matte Reducer	510529	20g	23g	24g
EZ Matte	510528	201g	205g	220g

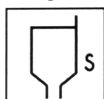


Pro Air Clear 2 Pack	Item #	20-30 G.U. at 60°	10-20 G.U. at 60°	<10 G.U. at 60°
Pro Air Clear 2 Pack Fast or Slow	539458 539486	217g	208g	187g
Pro Air Clear 2 Pack Hardener	539540	109g	105g	99g
EZ Matte	510528	173g	187g	216g



Pro Air Clear LV 2 Pack	Item #	20-30 G.U. at 60°	10-20 G.U. at 60°	<10 G.U. at 60°
Pro Air Clear LV 2 Pack Fast or Slow	516534 516533	188g	180g	161g
Pro Air Clear LV 2 Pack Hardener	480774	103g	99g	89g
EZ Matte	510528	209g	220g	250g

Viscosity – When Mixed



DIN #4

**15-17
seconds**

- Measured with a DIN #4 viscosity cup at 70°F (21°C).

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Mixing Notes



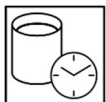
- Mixing amounts are provided for each approved clearcoat for the desired gloss level.
- All components are given in weight amounts to achieve 1 pint of ready to spray clearcoat.
- Mix thoroughly after adding each component prior to use.
- Do not place the mixed product on a shaker, this can lead to a decrease in potlife.
- Slower reducers are recommended to achieve a smoother finish on larger areas or at higher temperatures.

Gloss levels will vary depending on the following:

- Basecoat type
- Application technique
- Flash time between coats
- Flash time before bake
- Surface preparation
- Temperature and humidity
- Accuracy of mixing
- Clearcoat film-build – as film-build increases, gloss increases

A sprayout should always be performed to verify gloss level prior to completing the repair.

Pot-Life When Mixed



Product Mix	70°F (21°C)	95°F (35°C)
Dependent on clearcoat	≈45 minutes expected	Potlife is decreased
Mixtures with fast clearcoat	≈15-20 minutes	Potlife is decreased

- ✓ It is recommended to mix the product per coat at elevated temperatures as potlife will be shortened.

Spray Gun Set-Up



Consult spray gun manufacturer instructions for specific settings

Spray Gun	Fluid Tip	Application Pressure
HVLP Gravity	1.2-1.4 mm	10 psi (<0.7 bar) at cap
Compliant Gravity	1.2-1.4 mm	Per manufacturer instructions

APPLICATION TECHNIQUE

EZ Matte Application Process



Apply 3 coats

- Allow a flash off time between coats of 5-10 minutes. Allow clearcoat to completely flash before applying subsequent coats. Gloss will visually appear lower. Flash time will be dependent on ambient temperature, applied paint wetness/thickness and available air-flow.

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EZ Matte Application (continued)



For spot repairs, apply clearcoat as follows:

- 1st coat – apply over entire repair area
- 2nd coat – apply over spot only
- 3rd coat – apply over entire repair area
 - ✓ On small parts and cladding, 2 coats may be applied to increase productivity.

Film Thickness



Using Suitable Application:

- 2-3 coats will achieve a thickness of 2-3 mils (50–75μm).

Drying / Curing



- Allow a 20 to 30-minute flash time prior to bake. Do not bake until clearcoat is no longer patchy or has shiny spots.
 - ✓ Follow clearcoat TDS for baking instructions.



- Drying/curing with infrared is not recommended

POST-APPLICATION

Recoating



Recoating matte clears is not recommended without properly sanding and preparing the surface and repeating the repair process.

Polishing/De-Nibbing



- De-nibbing is not recommended as dust inclusion cannot be removed by polishing.
- Wax should never be used.
- Cleaners, such as Lesonal Surface Cleaner, cannot be used.
- Automatic car washes should not be used.
- Do not use rough cloth or paper towels to clean the repair surface.

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ADDITIONAL INFORMATION

Cleaning of Equipment



- Clean equipment following local and federal regulations.
- In compliant localities, use a VOC compliant high quality solvent borne gun cleaner. For national rule regions, a use high quality lacquer thinner.
- For efficient cleaning and less evaporated cleaning solvents, an enclosed automatic gun cleaning machine is suggested.

Theoretical Coverage



Actual coverage is dependent on many factors. These may include: the shape of the object, surface smoothness, application technique and other application variables among others.

- Please reference the clearcoat TDS. Coverage of products containing EZ Matte and EZ Matte Reducer is decreased by approximately 10%.

VOC / Regulatory Information



Product	VOC Pounds per Gallon	VOC Grams per Liter
• Universal Clear	4.0	480
• Pro Air Clear 2 Pack	4.0	480
• Pro Air Clear LV 2 Pack	2.1	250

Notice: Do not handle until the Safety Data Sheets have been read and understood. Regulations require that all employees be trained on Safety Data Sheets for all chemicals with which they come in contact. The manufacturer recommends the use of an air-supplied respirator when exposed to vapors or spray mist.

Product Storage



Product shelf-life is determined when products are stored unopened at 70°F (20 °C). Please reference the most current price list for the shelf life limits for each component.
EZ Matte – 1 year
EZ Matte Reducer – 1 year

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FOR PROFESSIONAL USE ONLY

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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