



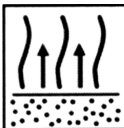
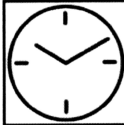

	North America	Technical Data Sheet
	EZ Matte™	Clearcoat
		01.12.2016
FOR PROFESSIONAL USE ONLY		

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. AkzoNobel recommends the use of a fresh air supply respirator. Refer to the product Material Safety Data Sheet (MSDS) for more complete safety information.	
	Mixing	Mixing is dependent on the clearcoat used and is provided within this TDS.
	EZ Matte CAN be mixed with: <ul style="list-style-type: none"> · Universal Clear · Pro Air Clear · Pro Air Clear 2 Pack · Pro Air Clear LV 2 Pack · Pro Air Clear LV 	EZ Matte CANNOT be mixed with: <ul style="list-style-type: none"> · Universal Clear LV · Universal EcoClear LV
	HVLP or Compliant Spray-Gun Set-Up: HVLP Gravity 1.2-1.4 mm High Transfer Gravity 1.2-1.4 mm	Application Air Pressure: Consult spray gun manufacturers' specifications. HVLP – 10 psi at the air cap maximum.
	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 Between Coats at 70°F (20°C) 10-20 minutes Allow clearcoat to completely flash before applying subsequent coats. Gloss will visually appear lower.	Flash Before Force Drying at 70°F (20°C) 20-30 minutes Do not bake until clearcoat is no longer patchy or has shiny spots.
	Cure Times Cure at recommended temperatures and times per the specific clearcoat being used.	

Read complete TDS for detailed product information.

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Suitable Substrates

- Lesonal SB
- Basecoat WB
- Existing finishes that are thoroughly prepared

Products and Additives



Product EZ Matte Item #510528
EZ Matte Reducer Item #510529

Additives Lesonal Flex Additive Item #396027


Basic Raw Materials


- Acrylic resins

Substrate Preparation

	Sanding Preparation		
		Dry Sanding	Wet Sanding
	Existing Finishes - Sanded high gloss clearcoat preferred.	#P500 – #P600	#P600 – #P800
	Surface Cleaning – Prior to Paint Application		
	<ul style="list-style-type: none"> • Clean with M600 or AutoPrep UltraPrep Surface Cleaner 		

Product Agitation

	<p>Stirring</p> <ul style="list-style-type: none"> • Because EZ Matte and EZ Matte Reducer are viscous products, they need to be thoroughly agitated before use.
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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.

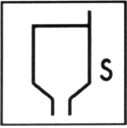
Gloss Levels

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 Filmbuild – as clearcoat Filmbuild increases, gloss increases

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


Viscosity When Mixed

 DIN #4	15-17 SECONDS	Measured with a DIN #4 viscosity cup at 70°F (20°C).
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Pot-Life When Mixed

Product Mix	70°F (20°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.


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Mixing Instructions

Mixture amounts yield 1 pint of ready to spray clearcoat.				
Universal Clear	Item Code	20-30 Gloss Units at 60°	10-20 Gloss Units at 60°	Less than 10 Gloss Units 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

Mixture amounts yield 1 pint of ready to spray clearcoat.				
ProAir Clear	Item Code	20-30 Gloss Units at 60°	10-20 Gloss Units at 60°	Less than 10 Gloss Units at 60°
ProAir Clear	390951	196g	187g	179g
Lesonal Flex Additive	396027	22g	21g	20g
ProAir Hardener Fast or Slow	Fast #390952 Slow #390953	78g	75g	71g
EZ Matte Reducer	510529	35g	35g	36g
EZ Matte	510528	174g	192g	209g


Mixture amounts yield 1 pint of ready to spray clearcoat.				
ProAir Clear 2 Pack	Item Code	20-30 Gloss Units at 60°	10-20 Gloss Units at 60°	Less than 10 Gloss Units at 60°
ProAir Clear 2 Pack Fast or Slow	Fast # 539458 Slow #539486	217g	208g	187g
Pro Air Clear Hardener	539540	109g	105g	99g
EZ Matte	510528	173g	187g	216g

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Mixture amounts yield 1 pint of ready to spray clearcoat.				
ProAir LV 2 Pack	Item Code	20-30 Gloss Units at 60°	10-20 Gloss Units at 60°	Less than 10 Gloss Units at 60°
ProAir LV 2 Pack Fast or Slow	Fast #516534 Slow #516533	188g	180g	161g
ProAir LV 2 Pack Hardener	480774	103g	99g	89g
EZ Matte	510528	209g	220g	250g


Mixture amounts yield 1 pint of ready to spray clearcoat.				
ProAir LV	Item Code	20-30 Gloss Units at 60°	10-20 Gloss Units at 60°	Less than 10 Gloss Units at 60°
ProAir LV	480773	147g	141g	129g
Lesonal Flex Additive	396027	16g	16g	14g
ProAir LV Hardener	480774	55g	53g	49g
ProAir LV Activator Slow	480777	57g	55g	50g
EZ Matte	510528	200g	212g	233g
EZ Matte Reducer	510529	24g	24g	24g

Spray Gun Set-Up

	Consult spray gun manufactures instructions for specific spray gun pressure specifications.		
	Spray Gun	Fluid Tip	Application Pressure
	HVLP Gravity Fed	1.2-1.4mm	<10 psi at cap
	Compliant Gravity Fed	1.2-1.4mm	<10 psi at cap

Application

	<p>Apply 3 COATS.</p> <p>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.</p> <p>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</p> <p>On small parts and cladding, 2 coats may be applied to increase productivity.</p>
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Film Thickness – Using Suitable Application

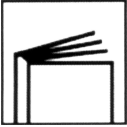
2-3 Coat will achieve a thickness of 2-3 mils (50 –75µm).

Drying / Curing Time

Allow 20-30 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 short wave light IR is not recommended.
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Recoating

	Recoating matte clears is not recommended without properly sanding and preparing the surface and repeating the repair process.
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Polishing / De-Nibbing

	<p>De-nibbing is not recommended as dust inclusion cannot be removed by polishing. Wax should never be used. Cleaners, such as M600, cannot be used. Automatic car washes cannot be used. Do not use rough cloth or paper towel to clean repair surface.</p>
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Cleaning of Equipment

	Clean equipment following local and federal regulations.
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Theoretical Coverage

Theoretical coverage is dependent of 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 10%.

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VOC / Regulatory Information

VOC is reported based on ready to spray mixtures:

Universal Clear	4.0 lbs/gal (480 g/L)
ProAir Clear	4.0 lbs/gal (480 g/L)
Pro Air Clear 2 Pack	4.0 lbs/gal (480 g/L)
ProAir Clear 2 Pack	4.0 lbs/gal (480 g/L)
ProAir Clear LV	2.1 lbs/gal (250 g/L)
ProAir Clear LV 2 Pack	2.1 lbs/gal (250 g/L)

Product Storage

	Stock unopened or used products in approved closed containers with proper labeling. Store in moderate temperatures between 40°F - 95°F (5°C – 35°C). Avoid too much temperature fluctuation. Optimum storage temperature is approximately 70°F (20°C).	
	EZ Matte	1 year
	EZ Matte Reducer	1 year

AkzoNobel Coatings Inc, Vehicle Refinishes 1845 Maxwell Street – Troy, MI USA 800.618.1010

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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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