



# LUMILOR<sup>®</sup> PRO BACKPLANE

## DESCRIPTION AND USES

LumiLor<sup>®</sup> Pro Backplane is compatible with most automotive enamels as well as catalyzed clear coats. LumiLor Pro Backplane can be applied to properly prepared, primed, and OEM grade clear coat to include but not limited to plastic, wood, metal, fiberglass, and carbon fiber.

LumiLor Pro Backplane is also applied as the \*Busbar layer. For best results use Lumilor Pro Backplane with LumiLor Pro System.

## PRODUCTS

SKU	DESCRIPTION
307845	8 Ounce Bottle
321181	4 Ounce Bottle

## COMPANION PRODUCTS

- LumiLor Pro Dielectric
- LumiLor Pro LumiColors
- LumiLor Pro Conductive Top Coat

## APPLICATION

**IMPORTANT: Read Application Instruction Guide completely before starting your project.**

### SURFACE PREPARATION

Surface must be free of any dust, grease, oil, stains, rust, or any other substances. Sand glossy surfaces before painting, and remove any loose paint.

**WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead paint dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE; ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### PRIMING

Conductive surfaces must be properly primed and clear coated. Non-conductive surfaces must be properly primed.

## APPLICATION (cont.)

### APPLICATION

Recommended application when air and surface temperatures are between 60-85°F (16-29°C), surface temperature is at least 5°F above dew point and relative humidity is below 60%.

Contents are premixed and ready to use. Thoroughly hand shake before use. Use only glass or plastic stirrer if needed. Strain with 120 or 125 micron filter.

**SPRAY:** Spray application should be performed with an HVLP sprayer at 20-25 psi. Each pass should have 50 to 75% overlap. Contents should be constantly agitated in spray gun cup during application. Apply 2 medium cross coats or a third coat until a resistance reading of 10 ohms or less is achieved\*.

**NOTE:** Unused material should be poured back in to original canister after thoroughly agitated.

### DRY AND RECOAT TIMES

Based on 70°F (21°C) and 50% relative humidity. Allow more time at cooler temperatures. Dries to the touch in 30 minutes, may be recoated in 30 minutes and full cure in 7days. Do not exceed 72 hours between LumiLor Pro System layers.

### CLEAN UP

Clean up drips or spatters IMMEDIATELY with ethanol or acetone. Properly dispose of all soiled rags. Follow spray gun manufacturer's instructions for cleaning equipment.

\*Refer to the Application Instruction Guide for ohm reading instructions.



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## PHYSICAL PROPERTIES

		LUMILOR PRO BACKPLANE
<b>Resin Type</b>		Acrylic
<b>Pigment Type</b>		Copper/Silver
<b>Solvents</b>		Chloro-Fluorobenzene
<b>Weight</b>	<b>Per Gallon</b>	12.4 lbs.
	<b>Per Liter</b>	1.48 kg
<b>Solids</b>	<b>By Weight</b>	32%
	<b>By Volume</b>	18%
<b>Volatile Organic Compounds</b>		<250 g/l
<b>Recommended Dry Film Thickness (DFT) per Coat</b>		1-2 mils
<b>Practical Coverage at Recommended DFT</b>		4.4 sq.ft. per 4 ounce bottle 8.8 sq.ft. per 8 ounce bottle
<b>Practical Coverage Based on Illuminated Area</b>		2-3 sq.ft. per 4 ounce kit 5-6 sq.ft. per 8 ounce kit
<b>Dry Times at 70°F (21°C) and 50% Relative Humidity</b>	<b>Touch</b>	30 minutes
	<b>To Tape</b>	1 hour
	<b>To Scuff/Sand</b>	30 minutes
	<b>Recoat</b>	30 minutes
	<b>Full Cure</b>	7 days
<b>Shelf Life</b>		1 year
<b>Flash Point</b>		>83°F
<b>Safety Information</b>		For additional information, see SDS

Calculated values are shown and may vary from the actual manufactured material.

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