



# ArmorCoat™

**Revolutionary paint protection coating**

ArmorCoat™ clearly goes where no film has gone before  
 One inventory item covers all vehicles, makes and models  
 Protect any body panel with any curve or complex contour  
 Safeguard vintage, classic and custom vehicle paint finishes

PPC911

## Description

ArmorCoat™ is a clear aftermarket paint protection coating formulated for high build application using conventional HVLP spray equipment in a controlled shop environment. When sprayed and cured over existing OEM or custom automotive paint finishes, the highly flexible and impenetrable properties of ArmorCoat will reduce and prevent chipping, scratching and damage caused by stones, insects and weathering.

ArmorCoat is virtually invisible to the eye and the 6 to 10 dry mil application provides significantly higher film thickness and far greater resilience than traditional OEM and auto body repair clears. Even larger stones, which can typically shatter an OEM finish leaving chips or craters right down to the metal, cause no damage to vehicles finished with ArmorCoat.

Designed for cars, trucks, motor homes, over-the-road trucks, motorcycles and any painted surface that needs protection from the typical damage that occurs during daily driving. After spray application, the product is allowed to air dry or is force cured, then unmasked and returned to the customer.

ArmorCoat is repairable and polishable using conventional materials and equipment.

### Features

- HVLP spray applied
- VOC compliant
- Fast drying
- High film build
- Extreme flexibility
- Impact resistant

### Advantages

- Supplied in 2 component kit form - No extras to buy
- Sprays like a traditional clear coat
- More versatile than adhesive backed protection films
- Entire vehicle protection possible where films don't work
- Eliminates inventory of pre-cut film kits and patterns
- Protection now possible on classics, customs & hot rods

### Benefits

- Optically clear and virtually invisible to the eye
- Suitable for use over custom painted vehicles, air brush or pin stripe work
- Greatly enhances resale value of any car, truck, SUV, motorhome or ATV
- Establishes distinct new profit center for quality oriented body shops
- Unlimited potential in automotive, trucking, industrial and marine markets

### Compatible Surfaces

- All properly cleaned and prepped OEM or fully cured automotive refinish paints
- Most manufacturers automotive base coats
- OEM or refinish clear coats
- Catalyzed industrial coatings

### Other Required Products

- Grease and wax remover
- Fine automotive masking tape
- Vehicle masking paper/plastic
- Scotc-Brite™ pads or fine sandpaper
- Dry film thickness gauge



## Directions for Use

### Surface Preparation:



Wash vehicle and dry thoroughly. Using an automotive grade grease and wax remover, clean two times (2X) all surfaces that will receive ArmorCoat. NEVER use any products containing alcohols. Scuff vehicle surfaces being coated using Scotch-Brite pads or ultra fine sandpaper (1200+ grit). Reclean and tack surfaces so they are free of all residual particle matter.



NOTE: If you are coating a partial panel, tape lines need to be created before scuffing surfaces. See "Taping/Masking" section below.

### Taping/Masking:



Vehicle must be properly masked to prevent over spray. Areas immediately adjacent section being coated must be protected using a **double layer** of masking paper or quality plastic bagging. If partial panel is being coated, use a high quality "fine line" style tape to create your stop or "back line". Overlap tape onto masking paper as very last step. You will need to remove this tape **immediately** after final coat.

### Mixing Ratio:



By	Part A	Part B	By	Part A	Part B
Volume	#911628	#911603	Weight	#911628	#911603
	1	: 1		<b>239 gms</b>	<b>: 247.5 gms</b>
			<b>1 Pint Sprayable</b>	(100 Parts)	(103.6 Parts)

### Reduction:



1½ oz per quart (5% by volume) of mixed material using an automotive grade, medium to fast reducer. ArmorCoat has been developed as a spray ready product. Beginning users should reduce as described above for even flow. Experienced users may elect to stay with reducer for ease of installation or to discontinue. \*Contact ArmorCoat technical support for further information on reduction. NEVER reduce with lacquer thinners or solvent blends containing alcohols.



NOTE: Reduction may require additional coats to achieve recommended dry film thickness.

### Pot Life @ 70°F / 50% RH



45 minutes to 1 hour depending on shop temperature.

### Tinting & Additives:



ArmorCoat cannot be tinted. **FE912 Fisheye preventer** may be used ½ oz. per RTS quart.

### Number of Coats:



3 to 5 wet coats depending on reduction and level of experience.

### Flash Time:



Wet on wet application, 1 to 2 minutes flash time between coats.

### Air Pressure:



<b>HVLP</b>	8 – 10 PSI @ the gun cap
<b>Conventional</b>	50 – 60 PSI @ the gun

### Spraygun Set-up:



<b>HVLP</b>	Fluid tip: 1.3 – 1.7 mm or equivalent
<b>Conventional</b>	Fluid tip: 1.5 – 2.0 mm or equivalent

## Directions for Use

### Drying Times:



Between coats  
70°F / 21°C

Wet on wet - 1 to 2 minute flash between coats  
**CAUTION:** Longer flash times may result in blushing.

Hand slick  
70°F / 21°C

20 minutes

Tack free  
70°F / 21°C

30 minutes

Back line tape removal

Remove fine line tape "**immediately**" after final coat.  
Do not remove masking papers for 30 minutes.



Air dry  
70°F / 21°C

Overnight



Force dry:  
*Air dry first (purge)*  
*Bake*

20 minutes @ 70 – 90°F (21 – 32°C)

20 minutes @ 115°F (46°C)



IR (Infrared)  
*IR medium wave*  
*IR short wave*

15 minutes

8 minutes

### Repair and Recoat:



Contact ArmorCoat technical support for complete details.

### Total Film Build Required:



**Wet** 10 to 16 mils

**Dry** 6 to 10 mils



**NOTE:** Beginning users are urged to monitor final film thickness using a dry film thickness gage.  
Optimal chip resistance is achieved only when recommended dry mil thickness is met.

### Polishing:



Wet sanding or polishing is not advisable upon immediate completion of job. Contact ArmorCoat technical support for recommended procedures and specific abrasives and polishing compounds.

### Equipment Cleaning:



Spray guns, gun cups, storage pots, etc. should be cleaned immediately after each use with any general purpose automotive grade solvent.

### Technical Data:



VOC (Package):	3.37 lbs / U.S. Gal
VOC (Applied unreduced):	3.37 lbs / U.S. Gal
VOC (With 5% reduction):	3.56 lbs / U.S. Gal
Total Solids by Volume (reduced):	51.53%
Theoretical Coverage / U.S. Gal (reduced)	
@ 8 mils dry – 100% transfer efficiency:	103.3 Sq. Ft.
# of vehicles coverage / U.S. Gal:	5 – 7



**NOTE:** Vehicle coverage is based on areas protected by a traditional car bra or paint protection film. Coating additional or larger areas will result in a lower number of vehicles per gallon. Optional reduction may also reduce coverage by requiring the use of additional coats to achieve recommended dry film builds.

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## Additional Information

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### Resistance Testing:

Treated steel panels used for evaluation were primed with an industry standard epoxy primer and topcoated with a popular industry basecoat and refinish clear coat. Panels were cured 7 days at ambient temperatures and then coated with ArmorCoat at 8 mils dry film thickness. Panels were then cured 7 days at ambient temperatures and tested in a Q-Labs Gravelometer (Test Method SAEJ-400) at both room temperature and after a 24 hour freeze cycle of -30°F.

ArmorCoat performed equal to and better than all paint protection films tested.



NOTE: The Gravelometer is designed for testing automotive materials and coatings for resistance to chipping by gravel impact. It complies with SAE, ASTM, VDA, GM, Ford, Chrysler, Mazda, JIS, Nissan, VW, and Toyota test specifications.

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### Important:

The contents of these packages must be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

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**See Material Safety Data Sheet and Labels for additional safety information and handling instructions.**

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### EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION 1-800-535-5053

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to Armor Auto, LLC. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does Armor Auto, LLC warrant freedom from patent infringement in the use of any formula or process set forth herein.

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## Armor Auto, LLC

P.O. Box 3974  
Missoula, MT 59806  
1-800-433-6903  
Fax: 1-800-735-0477  
[www.armorauto.com](http://www.armorauto.com)

**Your ArmorCoat Distributor is:**