



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, repair 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 then unmasked and returned to the customer.

ArmorCoat is repairable 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
- 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, motor home 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
- All 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
- Scotch-Brite™ pads or fine sandpaper
- Dry film thickness gauge



Directions for Use

Surface Preparation:



Wash vehicle and dry thoroughly. Using an automotive grade wax and grease remover, clean two times (2X) all surfaces that will receive ArmorCoat. Scuff vehicle surfaces being coated using a red Scotch-Brite pad or sandpaper (400 grit). Clean and tack surfaces until 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 Volume | Part A | Part B | By Weight | Part A | Part B |
|-----------|---------|---------|-----------|-------------|---------------|
| | #911628 | #911603 | | #911628 | #911603 |
| | 1 | : 1 | | 239 gms | : 247.5 gms |
| | | | | (100 Parts) | (103.6 Parts) |

Reduction:



Minimum 10%
75 above 15%
80 above 20%

*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

Number of Coats:



8-10 wet coats depending on reduction and level of experience.

Flash Time:



Wet on wet application, 1 to 3 minutes flash time between coats depending on ambient booth temperature. Checking for tack on the masking tape will be the best assessment of when to spray the next coat. Spraying test panels is recommended

Air Pressure:



| | |
|--------------|-------------------------|
| HVLP | 28 PSI @ the gun cap 50 |
| Conventional | 36 PSI @ the gun |

Spraygun Set-up:



| | |
|--------------|---------------------|
| HVLP | Fluid tip: 1.3 -1.4 |
| Conventional | Fluid tip: 1.3 |

Directions for Use

Booth Temperature: 70 to 75°F If booth temperature exceeds 80°F spray test panels to adjust flash time and reduction.

Drying Times:



Between coats
70°F / 21°C

Wet on wet: 1 to 3 minute flash between coats
Refer to the "Flash time" section

Hand slick/Dust Free
70°F / 21°C

20 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

30 to 45 minutes



Force dry or Bake
12 minutes at 120 degrees, 5 minute purge

IR (Infrared) is not advisable



Return vehicles to service:

Bake 12 minutes at 120 degrees

Repair and Recoat:



ArmorCoat is compatible with all base coat and clear coat refinish products. Surfaces may be sanded flat or feathered using a normal range of abrasives. Since ArmorCoat is softer and more resilient than traditional refinish products, abrasive selection should begin with a coarser grade and move to progressively finer grades. Apply additional base coat and refinish clears as normal. Bake or allow all finishes to cure overnight before reapplying ArmorCoat at recommended dry film thickness detailed below.

Please refer to Technical Service Bulletin T-911A for complete details on collision and damage repair procedures involving ArmorCoat surfaces.

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:



N/A

Equipment Cleaning:




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

Additional Information

Technical Data:




| | |
|---|---------------------|
| VOC (Package): | 2.01 lbs / U.S. Gal |
| VOC (Applied unreduced): | 2.01 lbs / U.S. Gal |
| VOC (With 5% reduction): | 2.10 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: | 4 |

 **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.

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.

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.

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

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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