



## How to properly hand wash vinyl vehicle graphics

### Supplies Needed:

- Garden hose with standard spray nozzle attachment
  - Clean bucket
  - Mild car wash detergent
  - Soft cotton or microfiber sponge
  - Dry microfiber clothes
1. Rinse away the graphic with water to wash away any loose sediments, dust, or dirt using your garden hose with spray nozzle attachment
  2. Mix together water and mild car wash detergent into your bucket (*Make sure the bucket is free of dirt and small rocks as these will scratch your car and or vinyl graphics*)
  3. Soak your sponge with the water and soap mixture
  4. Clean the graphic starting from the top working down to the bottom
  5. This will allow the dirty contaminated water to run downward
  6. Rinse the graphic with clean water using the hose with spray nozzle attachment
  7. Once the graphic is rinsed off with water, allow it to air dry. You may also use a microfiber cloth to dry down the graphic
  8. Once dry, for added protection, you may apply a silicone or Teflon based polish designed for vinyl vehicle graphics (*Read and follow product manufacturers' directions and suggestions for frequency*)

## Dealing with "Fallout"

In recent months, a small number of vehicle wrap customers located in southern California/Nevada and northern Mexico have experienced a dull rust-colored surface condition sometimes known as "fallout." This has occurred to OEM paint finishes and wrapped vehicles alike. It has determined that the likely cause is an environmental problem associated with fossil fuel burning facilities in these areas.

These pollutants, most likely sulfur dioxide, bond with water vapor, forming an acidic molecule. When the dew point is reached in the area, dew is deposited on the vehicle surfaces. What was acidic vapor is now acidic dew. The acidic dew etches the surface of the PVC film if the dew is left on the vehicle for prolonged periods of time. Because it is dew, and not rain, the acid is fairly concentrated and begins to etch into the surface of the laminate.

Once the dew has evaporated from the vehicle, the dew leaves deposits of dust, minerals, etc. from water vapor, in the etched surface of the PVC, thus causing the rust colored appearance. The acid continues to erode the laminate creating a pock-marked surface which further exacerbates the problem by increasing the surface area for the acid to collect and erode. This increases the dust and mineral deposits.

## Suggestions for Distributors:

- Educate sign shops about the environmental issues facing vehicle wraps in the southern California/ Nevada and northern Mexico areas
- Stock Teflon type polish or recommend a specific brand
- Add disclaimers to claim policies concerning "fallout"

## Suggestions for Sign Shops:

- Prepare a Vehicle Wrap Care Guide with the points below
- Educate Wrap owners of the importance of care
- Modify warranties with regards to fallout to avoid liability issues

## Suggestions for Vehicle Wrap Owners in this area:

- Rinse the vehicle every morning to minimize deposits
- Wash the vehicle at least once a week with a very mild soap and ask wrap installers for a vehicle wrap care guide
- Use a Teflon type polish designed for vehicle wraps to help protect the surface and gloss
- Follow manufacturer's directions and application frequencies

These are only suggestions and may or may not prevent vehicle wrap damage due to the 'fallout' phenomenon. "Fallout" damage attributes to environmental conditions which are not related to the manufacturing process, print production, lamination or installation. We therefore do not classify this as a product defect for warranty purposes.



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