

Practical Information: Introduction to your Vinyl Wrapped trailer

What is a vinyl wrap?

Traditionally, the definition of a vinyl wrap was 'the automotive practice of completely or partially covering of a vehicles original paint with a flexible vinyl film'.

Originally designed as a advertising tool for businesses to promote products, with vehicles effectively becoming mobile billboards.

Advancements in plastics technologies allowed for different grades of vinyl to be introduced to the market as protective coatings with extended life expectancy.

AOR and vinyl wrap

AOR has always prided it's self with being a leader in the industry, always striving to introduce new technologies and better practices.

We were becoming frustrated with the quality and consistency of traditional external finishes.

With the introduction of our vinyl wrapped trailers, we are providing our customers protection to the Gel coat surfaces, the ability to personalise your investment and an easy cost effective solution to easily repair damaged areas remote traveling may cause.

Understanding the process

Traditionally, vinyl wrapping has been completed once the vehicle has been built/ assembled.

We wrap our trailers as part of the manufacturing process, the result is a 'factory fitted' and seamless finish, this is no mean feat and a credit to our installers and production staff.

Something to note:

Whilst every precaution and preventive measure is taken to ensure a 'paint like' finish for our customers, there is one thing we can't replicate - the sun!

It is possible that over the first few weeks of ownership that small bubbles may appear in the vinyl wrapped finish. The best course of action if this happens is to **leave them**.

These kind of bubbles will settle themselves after being exposed to the heat of the sun.

Interference from the customer may cause irreversible damage.

Please rest assured, every trailer is wrapped by following a strict process to ensure a paint like finish for our customers, the issue is rare, but can happen.

Practical Information: Care and Maintenance of your Vinyl Wrap

The Do's and Don't s of cleaning applied vinyl vehicle graphics

Vehicle graphics that are located in industrialized, heavily polluted or low lying areas are prone to damage from the "fallout" phenomenon. Owners in these areas are recommended to frequently rinse the graphics with a mild soap-and-water mixture.

The Do's

The following practices will help maintain the life and quality of the vinyl film:

- Wash applied vinyl graphics with a blend of clean water and a mild car wash, detergent
- Test any cleaning solution on a small section of the vinyl graphic before using.
- Always read the warning labels on car care products for proper safety instructions.
- Once you've washed the vehicle with the soapy water blend, rinse it with clean water.
- Either let the vehicle air dry or use a microfiber cloth.

The Don't s

Indications of vinyl failure can include loss of gloss level, fading, embrittling, cracking, chipping, or peeling around graphic edges.

The following practices will result in deterioration of the vinyl film:

- Do not allow fuels to stay in contact with the vinyl for extended periods of time. Clean all spills as soon as possible.
- Do not use automated car washes, truck washes using caustic cleaners, or pressure washers to clean your vehicle.
- Do not apply carnauba-based wax over vinyl graphics.
- Do not use cutting compounds on any vinyl services
- Do not apply any type of wax or polish to matte or carbon fiber finished vinyls.
- Do not use mechanical brush washing.

Concerns about pressure washing vinyl vehicle graphics

Pressure washing should only be used when no other cleaning methods are available. Keep the following in mind while performing this type of cleaning:

- Repeated pressure washing can cause the vinyl graphics to lift around the edges and peel away from the vehicle, especially if the spray is at a sharp angle to the vinyl edge.
- Over time, repeated pressure washing can degrade the face film, causing the graphic to lose its luster, fade, crack and even chip away from the substrate.

To prolong the life of the applied vehicle graphic when choosing to pressure wash, consider the following (based on vertical application):

- Water Temperature: 19°C-25°C
- Spray nozzle opening: 40° wide pattern.
- Spray angle: 45°
- Angle of graphic: 90° (vertical)
- Distance from graphic: 30-40cm
- Water pressure: ≤800 PSI
- Length of time: 30 sec.

Aim the spray pattern at a slight angle to the edge of the vinyl graphic. Under no circumstances should a turbo pressure nozzle be used when pressure washing applied vehicle graphics.

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Red Dirt Exposure

- Armour vinyl fitted to the lower panels and nose cone can be affected by red dirt, which contains fine clay and iron oxide particles. These particles can bond to the vinyl surface and cause staining if left for extended periods, particularly in direct sunlight.
- To prevent staining, red dirt should be removed as soon as practical. Water alone is often insufficient.
- **Recommended Cleaning Method:**
- Use a pressure washer with a snow foam cannon. If this isn't available a bucket and microfibre cloth will be sufficient
- Apply a dedicated red dirt cleaning product, such as Red Dirt Dust Wash.
- Allow the product to dwell (do not let it dry).
- Gently agitate using a soft-bristle brush or microfibre cloth.
- Rinse thoroughly with clean water.
- Regular cleaning will help maintain the appearance and longevity of the Armour vinyl.

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How to remove difficult pollutants or debris from applied vehicle graphics

When normal cleaning procedures don't work to remove difficult debris from your applied vehicle graphics, try the following:

- Spot clean the area with a microfiber cloth and isopropanol alcohol.
- Moisten a rag with a citrus-based cleaner and wipe down the problem areas.

Immediately after using the citrus cleaner, rinse the area with a blend of water and soap.

If these cleaning methods do not work on problem areas, please contact Australian Off Road for more helpful tips and information.

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 cloths

Procedure:

1. Rinse 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 the mild 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 and scrubbing to the bottom. This will allow the dirty, contaminated water to drip toward the ground.
5. Rinse the graphic with clean water using the hose with spray nozzle attachment.
6. Once the graphic is rinsed off, allow it to air dry. You may also use a microfiber cloth to dry the graphic.
7. Once dry, for added protection, you may apply a silicone or Teflon-based polish designed for vinyl vehicle graphics.
(Read and follow manufacturer's directions and suggestions for frequency.)

Additional tips

- Remove any residue or "gunk" as soon as possible to avoid damage or staining
- Test any cleaners you use in an inconspicuous place first, avoid abrasive cleaners
- Petrol/Diesel spill – wash off residue with soapy water asap
- Oil, tar or asphalt build-up – wipe down with isopropanol alcohol and a citrus-based cleaner
- Follow any chemical cleanings with a regular washing with water and a mild cleanser
- Park in the shade, in a garage or under cover as much as possible to avoid UV damage

