

VWRAP PRO

INSTALLATION GUIDE 1.00
OCTOBER 2024



VION®

VWRAP PRO

VION VWRAP PRO INSTALLATION GUIDE

THIS GUIDE IS DESIGNED TO SUPPORT PROFESSIONAL INSTALLERS IN ACHIEVING OPTIMAL RESULTS WITH VION VWRAP PRO. BY FOLLOWING THE RECOMMENDATIONS OUTLINED HERE, YOU'LL ENSURE A FLAWLESS FINISH AND CUSTOMER SATISFACTION. ATTENTION TO DETAIL AND THE CORRECT TECHNIQUES ARE KEY TO MAXIMISING VWRAP PRO'S ADVANCED MATERIAL PROPERTIES.



GENERAL INFORMATION

VWrap Pro should be paired with its matching overlamine, VL10-G.

Note: VWrap Pro is not suitable for wet application due to its incorporation of VION's advanced VFLOW+ adhesive.

REQUIRED TOOLS

Ensure you have the following tools ready for your installation process:

- Heat Gun
- Snap-Off Blade (30° preferred)
- Vinyl Cutting Tape
- Release Liner Knife
- Squeegee with Felt Edge
- Lint-Free Gloves
- Magnets for positioning
- Masking Tape
- VION Surface Cleaner



PREPARATION

1. Vehicle Condition

The vehicle should arrive washed by a basic or economy car wash (no wax).

2. Remove External Components

Where possible, remove easily detachable components such as number plates, badges, and emblems. Only remove handles, antennae, or wing mirrors if you are a competent mechanic and have pre-approval from the vehicle owner.

Why? This allows for thorough cleaning and better wrap coverage.

3. Clean Again

Once in the workshop, give the vehicle a final thorough clean with [VION Surface Cleaner](#), paying particular attention to all edges and crevices. Ideally, the vehicle should be left overnight in a warm, dry environment to allow any trapped moisture to evaporate fully.

Why? Thorough cleaning ensures a contaminant-free surface, promoting maximum adhesion and longevity of the wrap.

4. Install in a Controlled Environment

For best results, apply the wrap in an environment where the temperature is between 15°C – 35°C, and humidity is below 85%. Both the vehicle and the graphics must also be within this temperature range.

Why? This helps prevent condensation and ensures the wrap adheres properly.

5. Laminate with VL10-G Overlamine Series

[VWrap Pro](#) and [VL10-G](#) are designed to work perfectly together.

Why? Using them together ensures the best protection, durability, and a smooth finish for your wrap.

Tip: When laminating fully outgassed graphics, we advise the best practice of cold lamination. The laminated graphic should then be stored in a warm environment to allow the laminate to fully bond to the print. To speed this process up, you could run the fully laminated graphics back through your laminator using heat. Usually, overnight storage in a warm environment (in front of a radiator) will suffice.

Why? If you laminate with heat, you will likely stretch the overlamine, causing unwanted tension.

INSTALLATION BEST PRACTICES

1. Tackle Difficult Areas First

Start by applying the wrap to the more challenging areas first. This allows these sections to remain in your temperature-controlled workshop longer, giving you time to monitor and rectify any concerns.

2. Use a Felt-Edged Squeegee

Always use a felt-edged squeegee for smooth application. If the squeegee or felt is damaged, replace them to avoid any unnecessary damage to the material.

Why? Helps avoid scratches and ensures a smooth, bubble-free application.

3. Apply Firm, Overlapping Strokes

When using the squeegee, apply firm pressure and overlap your strokes.

Why? Ensures full adhesive contact for long-lasting adhesion.

4. Managing Overlaps

Ensure a minimum overlap of 6mm. Install vertical overlaps from back to front and horizontal overlaps from bottom to top.

Why? Proper seam placement minimises exposure to the elements, reducing the risk of seam edge failure.

Tip: Clean the previously applied material thoroughly before overlaying new material, as contaminants from your squeegee, gloves, or bare hands can reduce adhesion.

Tip: Ensure you post-heat the base graphic before overlapping the next layer, ensuring the base layer is fully bonded to the vehicle before adding the top layer of material, paying extra attention to any stretched areas.

5. Use Controlled Heating for Stretching

When stretching VWrap Pro, heat the film to a range between 40°C – 50°C.

Why? Controlled heating prevents over-stretching, which could cause visual distortion or reduce adhesive performance in critical areas like recesses.

6. Distribute Stress on Curves

For concave and convex curves, distribute heat evenly over a larger area and gently stretch the film.

Why? Reduces stress on the material, preventing future lifting or film failure.

7. Apply Inlays for Deep Recesses

For deep pockets or complex curves, consider using inlays rather than over-stretching the material.

Why? Ensures longevity and prevents film popping or edge failure in highly stressed areas.

FINISHING TOUCHES

1. Trimming

Allow at least 15 minutes for the film to settle before trimming. Leave a 3mm overhang to tuck the film into edges.

Why? Helps secure edges and reduces the risk of curling over time.

2. Post-Heating

After installing each individual graphic, post-heat the entire surface (including flat panels), paying extra attention to edges, overlaps, and risk areas. Heat to 95°C – 105°C to maximise initial adhesion.

Why? Post-heating will highlight any trapped air, giving the installer a chance to remove it. Additionally, post-heating activates the adhesive, helping it achieve its optimum bond to the vehicle before exposure to the elements.

3. Keep the Vehicle Indoors Overnight

If possible, insist the vehicle is kept indoors at an ambient temperature after installation, especially during colder months.

Why? This gives the adhesive extra bonding time before exposure to the elements. It also allows the installer to perform a final inspection of any potential risk areas and rectify any concerns.



POST-INSTALLATION

1. Post-Wrap Inspection

After completing the installation, we recommend scheduling a follow-up inspection with vehicles

3 days, 1 week, and 1-month after installation.

Why? Helps catch potential issues early and ensures continued customer satisfaction.

2. Proper Maintenance

Advise the customer to avoid washing the vehicle for the first week and to hand wash it whenever possible.

Why? Gentle cleaning methods preserve the wrap's finish and prevent edge lifting.

3. Power Washing Guidelines

- Maximum Pressure: 1,300 PSI
- Water Temperature: No higher than 60°C
- Nozzle Distance: At least 5 feet from the surface.

Why? Following these guidelines helps maintain the wrap's durability and visual integrity.

REMOVAL

1. Use Heat for Removal

During removal, heat the film to between 30°C – 65°C to soften the adhesive.

Why? Softened adhesive reduces the risk of tearing and ensures a smooth removal process.

2. Slow, Steady Peeling

Peel the film at a low angle and a steady pace to prevent damage to the vehicle's surface.

Why? Ensures safe removal without leaving adhesive residue or damaging the underlying paint.

VION[®]

PLAY THE WILD CARD...

VWRAP PRO

VIONFILMS.CO.UK



PART OF WILLIAM SMITH GROUP 1832

