



NOVAFLEX HB09-LU-W

Premium Hydrophobic Paint Protection Film (PPF)

NOVAFLEX HB09-LU-W is a premium hydrophobic Paint Protection Film (PPF) made with Covestro® aliphatic TPU and Ashland® automotive-grade adhesive. Engineered with world-class raw materials, it delivers long-lasting clarity, UV stability, excellent anti-yellowing performance, easy installation and repositioning, strong long-term bonding, and clean removal without damaging factory paint.

Key Features

✓ Ultra High Gloss Finish

Enhances paint depth and delivers a crystal-clear appearance.

✓ Advanced Hydrophobic Coating

Fluorocarbon top coat creates a lotus-effect surface, allowing water and contaminants to easily slide off.

✓ Self-Healing Technology

Minor scratches and swirl marks can automatically disappear when exposed to heat.

✓ Excellent Anti-Yellowing Performance

Engineered for long-term optical clarity with reduced risk of discoloration.

✓ Superior UV Protection

Blocks harmful UV rays to help prevent paint fading and oxidation.

✓ High Impact Resistance

Protects against stone chips, road debris, and everyday wear.

✓ Stable High-Tack Acrylic Adhesive

Premium acrylic pressure-sensitive adhesive provides reliable adhesion and easy installation.

✓ Chemical & Corrosion Resistance

Protects vehicle surfaces from acid rain, bird droppings, insect residue, and environmental contaminants.

Technical Specifications

Property	Unit	Specification
Film Thickness	mil	8.5 ± 0.5 mil
Light Transmission	%	90 – 93
Gloss Level	GU	140
Haze	%	0.2 – 0.6
Water Contact Angle	°	Approx. 103
Tensile Strength	MPa	≥ 22
Elongation at Break	%	≥ 320
Stain Resistance	/	OK
Chemical Resistance	/	OK
Self-Healing Performance	/	OK
Peel Adhesion	Gf/inch	20 min ≥ 1400 / 24 hr ≥ 1800
Weathering Resistance	/	1000hr: No Yellowing, Cracking or Dissolution

Recommended Applications

Suitable for all painted exterior vehicle surfaces, including:

- Bonnet / Hood
- Front Bumper
- Fenders
- Doors
- Mirrors
- Rear Bumper
- Side Skirts
- Full Vehicle Coverage



Installation Recommendations

Surface Preparation

Ensure all paint surfaces are thoroughly cleaned and free from wax, grease, dust, and contaminants before installation.

Edge Finishing

Before edge wrapping, remove any residual slip solution from the adhesive side. Allow moisture to evaporate completely and use a heat gun for proper edge sealing.

Complex Curves

For highly curved panels, warm the film using hot water between 30–50°C to improve flexibility and installation efficiency.

Highlights

- Advanced Hydrophobic Performance
- Self-Healing Technology
- Outstanding UV Resistance
- Excellent Anti-Yellowing Protection
- Long-Term Optical Clarity
- Professional Automotive Paint Protection



NOVAFLEX Paint Protection Film Limited Warranty

1. Disclaimer

NovaFlex Australia and its authorised installers shall not be liable for any damage to the vehicle, paintwork, or film caused by:

- Natural disasters, extreme weather conditions, external impacts, accidents, vandalism, or intentional damage;
- Exposure to strong acids, alkalis, corrosive chemicals, bird droppings, tree sap, insect residue, or environmental contaminants;
- Improper maintenance, misuse, neglect, or failure to follow the recommended care instructions;
- Scratches, abrasions, or damage caused by external forces.

Film removal must be carried out by an authorised installer. NovaFlex Australia accepts no responsibility for film damage, paint damage, or paint lifting caused by unauthorised removal. Paint lifting or damage occurring on repainted or repaired surfaces is not covered under this warranty.

2. Warranty Coverage

NovaFlex Australia provides a 10-year Limited Warranty from the date of professional installation. During this 10-year warranty period, NovaFlex Australia warrants that its Paint Protection Film will remain free from:

- Cracking;
- Hydrolysis;
- Abnormal loss of gloss or transparency;
- Delamination;
- Bubbling;
- Adhesive failure (excluding damage caused by excessive stretching during installation);
- Material defects affecting product performance.
- This warranty does not cover damage resulting from, or in connection with, any of the following:
 - any damage to the vehicle paintwork caused by collision, structural impact, rust, scratches, vandalism (e.g. egg damage), abrasions or damage caused by the treated surface coming into contact with acids, dyes, oil based paints, bleaches or ammonia based products, fall out or spillage caused by corrosive chemicals or materials;
 - swirl marks, wash webbing and surface scratches as a result of abrasive car washing;
 - vehicle panels that have been altered, resprayed or replaced and which have not had the product re-applied;
 - defects in the paintwork as a result of substandard repairs to panels of the vehicle;



- manufacturer's imperfections in the paintwork or items covered under the vehicle manufacturer's paintwork warranty;
- any painted accessories, aftermarket add-ons, or non-factory parts, including but not limited to utility lids, spoilers, canopies, side skirts or flares;
- any modification or application made to the vehicle panels after the initial product application, including the use of vinyl wraps, decals, stickers, magnetic signage, or paint protection films;
- any damage caused to the vehicle paintwork as a result of polishing or buffing the paintwork;
- any damage caused to the vehicle paintwork as a result of cleaning the paintwork with a solvent, degreaser or any other agent that is not PH neutral; and
- any damage caused to the vehicle paintwork as a result of failing to reasonably maintain due care to the treated surface.

Normal yellowing resistance is expected to remain within industry standards, with an annual yellowing rate not exceeding 3% under normal usage and maintenance conditions.

This warranty is strictly non-transferable and automatically terminates upon the transfer of vehicle ownership.

3. Care and Maintenance Requirements

To maintain warranty coverage, vehicle owners should follow these guidelines:

- Do not wash the vehicle within seven (7) days after installation.
- Avoid directing high-pressure water at film edges.
- Do not use brushes, abrasive tools, or corrosive cleaning chemicals.
- Avoid scratching or aggressively rubbing the film surface.
- Routine maintenance and inspection are recommended every two months.
- Do not polish the film surface.
- Avoid prolonged exposure to intense sunlight whenever possible.
- Avoid parking under trees where bird droppings, insects, or tree sap may accumulate.
- Avoid prolonged exposure to grease, oil residue, or industrial pollutants.
- Avoid parking under air-conditioning drainage outlets or areas where corrosive water may drip onto the film.
- Avoid prolonged exposure to standing rainwater or acidic environmental contaminants.

Failure to follow the above maintenance recommendations may affect product performance and warranty eligibility.



4.Warranty Claim Verification

- To validate any warranty claim, the vehicle owner or the installation company must retain the original product barcode number located on the inner roll of the film. No warranty services will be provided without a valid barcode verification.
- Any claim under this warranty must be with lodged with NovaFlex Australia, in accordance with the claim procedure set out below, within [30] days of the fault or defect appearing.
- To make a formal warranty claim you must contact NovaFlex Australia on [admin@drivewisecarwholesale.com] and provide your name, contact details, vehicle details, original product barcode number and brief description of the fault/damage.
- NovaFlex Australia will arrange for an assessor to inspect the vehicle during normal business hours at a location nominated by NovaFlex Australia. The original product barcode number and proof of purchase must be presented to the assessor at the time of assessment.
- Following the vehicle assessment and subject to Novaflex Australia determining, in its sole but reasonable discretion, that the claim is a valid warranty claim, NovaFlex Australia will arrange a mutually convenient time at a location nominated by NovaFlex Australia to rectify the fault or damage in accordance with this warranty.
- Except to the extent otherwise mandated by the Australian Consumer Law, you must bear the cost of claiming this warranty including, without limitation, the cost of delivery and collection of the vehicle to and from the nominated location.
- To the maximum extent permitted by law, NovaFlex Australia has no other liability under this warranty, including liability for any consequential or indirect loss, liability for any loss of your time, or loss of vehicle use, or for any rental vehicle costs, or alternative transport costs.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure