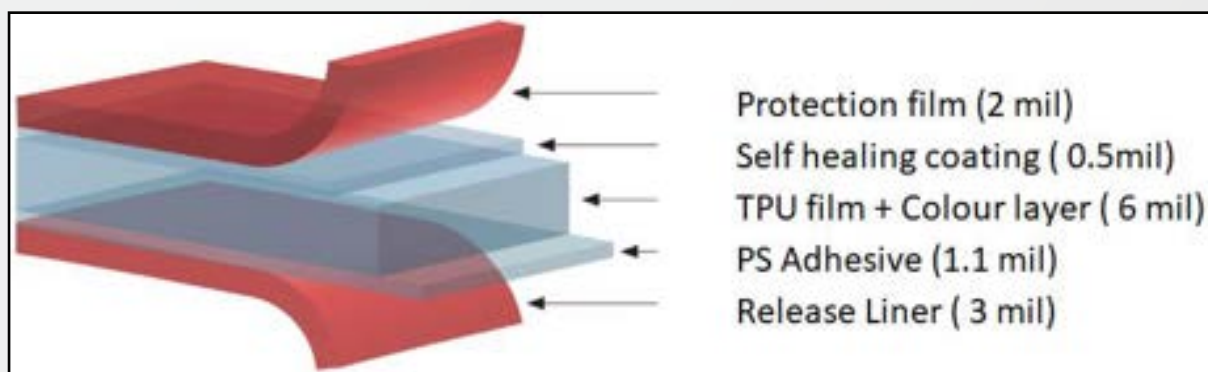


Technical Data Sheet

COLOUR PPF

Colour PPF is manufactured by unique long lasting specialised colour technology with self-healing coating for scratch resistance and easy cleaning. This film is designed for automotive painted vehicle surfaces to give best aesthetic looks as per choice.

Product Construction:



Nominal Thickness (TPU + PSA + SH Coating): 190 + 10%



Excellent Film
Gloss



Excellent anti
scratch property



Easy to apply on
curved surfaces



Good chemical
resistance



Good stain
resistance

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
Mechanical Properties				
1	Peel Strength: 20 min @ 24°C	FTM 01	kg/in	>0.8 kg/ inch
2	Peel Strength: 72 hrs @ 24°C	FTM 01	kg/in	>1.2 kg/ inch
3	Gloss at 60°	ASTM D-2457	GU	85
4	Tensile Strength	ASTM D-882	Mpa	>15
5	Elongation at break	ASTM D-882	%	>200
Ageing Performance				
6	Heat ageing 80°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
7	Water immersion 40°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
Stain Resistance				
8	Water and soap resistance Drop test fro 10 min	Internal	–	Pass- No Detrimental Effect
9	Battery acid Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
10	Diesel Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
11	SAE Motor oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
12	Hydraulic oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20°C to 30°C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

The shelf life of this file is 1 year when stored in its original packaging at the temperature ranging from 18°C to 26°C and Relative Humidity 50 to 60%.

Notes:

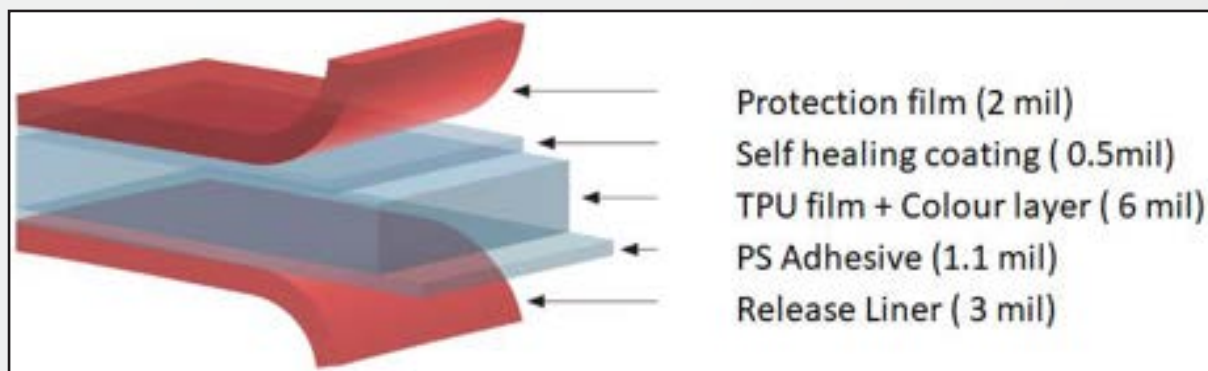
The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability.. Refer PPF application manual for more details.

Technical Data Sheet

GLOSS

Global Premium PPF is specially formulated paint protection film consists of high-performance pressure sensitive adhesive, ultra-clear TPU film and unique self-healing coating to protect automotive paint surfaces from harmful effects of stone chips and abrasion.

Product Construction:



Nominal Thickness (TPU + PSA + SH Caoting): 190 + 10%



Excellent optical
clarity



Excellent stain
resistance



Self-healing
property



Hydrophobic
property



Anti-yellowing



Excellent chemical
resistance



Easy for installation
on curved surfaces

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
Mechanical Properties				
1	Peel Strength: 20 min @ 24°C	FTM 01	kg/in	>0.8 kg/ inch
2	Peel Strength: 72 hrs @ 24°C	FTM 01	kg/in	>1.2 kg/ inch
3	Gloss at 60°	ASTM D-2457	%	85%
4	Tensile Strength	ASTM D-882	Mpa	>15
5	Elongation at break	ASTM D-882	%	>250
Ageing Performance				
6	Heat ageing 80°C/ 168 Hrs	Internal	–	Pass- No Detrimental Effect
7	Water immersion 40°C/ 168 Hrs	Internal	–	Pass- No Detrimental Effect
Stain Resistance				
8	Water and soap resistance Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
9	Battery acid Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
10	Diesel Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
11	SAE Motor oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
12	Hydraulic oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20°C to 30°C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

The shelf life of this file is 1 year when stored when stored in its original packaging at temperature ranging from 18°C to 26°C and Relative Humidity 50 to 60%.

Notes:

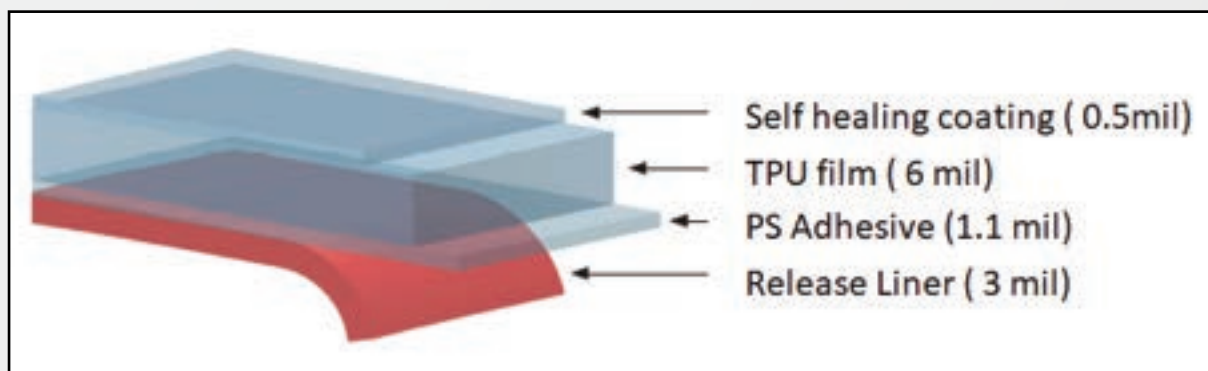
The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.

Technical Data Sheet

GLOBAL MATTE PPF

Global Matte PPF is a specially formulated paint protection film consisting of high performance pressure sensitive adhesive, clear TPU film and unique self-healing coating to protect automotive paint surfaces from harmful effects of stone chips and abrasion.

Product Construction:



Nominal Thickness (TPU + PSA + SH Coating): 190 + 10%



Excellent optical
clarity



Excellent stain
resistance



Hydrophobic
property



Non-yellowing



Excellent chemical
resistance



Easy for installation
on curved surfaces

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
Mechanical Properties				
1	Peel Strength: 20 min @ 24°C	FTM 01	kg/in	>0.8 kg/ inch
2	Peel Strength: 72 hrs @ 24°C	FTM 01	kg/in	>1.2 kg/ inch
3	Gloss at 60°	ASTM D-2457	GU	20 to 30
4	Tensile Strength	ASTM D-882	Mpa	>15
5	Elongation at break	ASTM D-882	%	>250
Ageing Performance				
6	Heat ageing 80°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
7	Water immersion 40°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
Stain Resistance				
8	Water and soap resistance Drop test fro 10 min	Internal	–	Pass- No Detrimental Effect
9	Battery acid Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
10	Diesel Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
11	SAE Motor oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
12	Hydraulic oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20°C to 30°C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

Recommended to store rolls in their original packaging with temperature ranging from 18°C to 26°C and Relative Humidity 50 to 60%.

Notes:

The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.

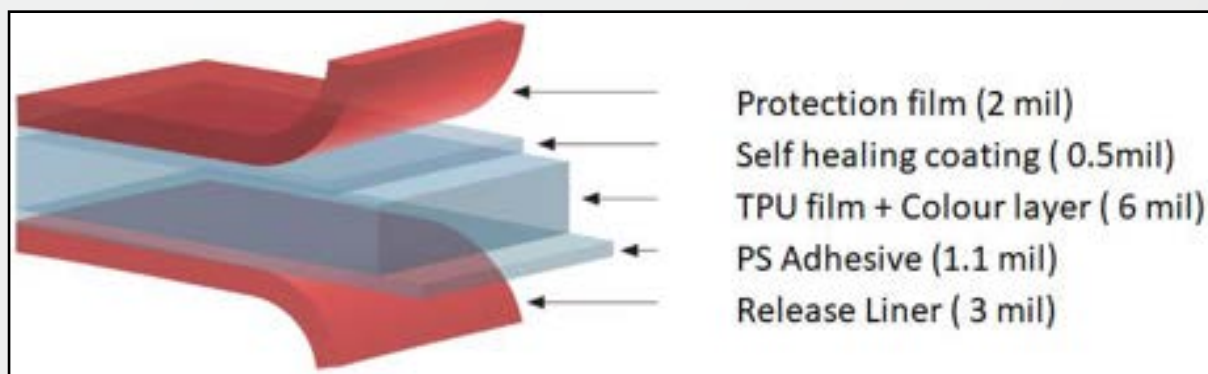
Technical Data Sheet

TITANIUM

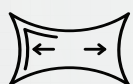
Global Titanium PPF is a specially formulated paint protection film consisting of high performance pressure sensitive adhesive, ultra-clear TPU film and unique self-healing coating to protect automotive paint surfaces from harmful effects of stone chips and abrasion.

Titanium PPF is easy to apply on curved surfaces with best-in-class surface properties.

Product Construction:



Nominal Thickness (TPU + PSA + SH Coating): 190 + 10%



Excellent
Stretchability



Excellent mechanical
properties



Excellent stain
resistance



Excellent optical
clarity



Scratch healing
property



Superior Hydrophobic
property



Excellent
Longevity



Non-yellowing



Excellent chemical
resistance



Easy for installation
on curved surfaces



Easy to Clean

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
Mechanical Properties				
1	Peel Strength: 20 min @ 24°C	FTM 01	kg/in	>0.8 kg/ inch
2	Peel Strength: 72 hrs @ 24°C	FTM 01	kg/in	>1.2 kg/ inch
3	Gloss at 60°	ASTM D-2457	GU	>88
4	Tensile Strength	ASTM D-882	Mpa	>15
5	Elongation at break	ASTM D-882	%	>250
Ageing Performance				
6	Heat ageing 80°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
7	Water immersion 40°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
Stain Resistance				
8	Water and soap resistance Drop test fro 10 min	Internal	–	Pass- No Detrimental Effect
9	Battery acid Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
10	Diesel Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
11	SAE Motor oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
12	Hydraulic oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20°C to 30°C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

The shelf life of this film is 1 year when stored in its original packaging at temperature ranging from 18°C to 26°C and Relative Humidity 50 to 60%.

Notes:

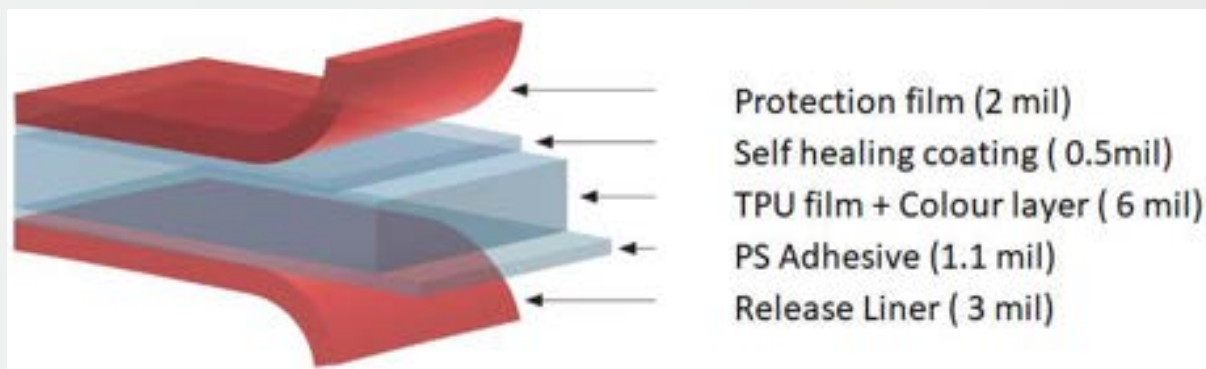
The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.

Technical Data Sheet

MARINE

Global Premium PPF is specially formulated paint protection film consists of high performance pressure sensitive adhesive, ultra-clear TPU film and unique self-healing coating to protect automotive paint surfaces from harmful effects of stone chips and abrasion.

Product Construction:



Nominal Thickness (TPU + PSA + SH Caoting): 190 + 10%



Excellent optical
clarity



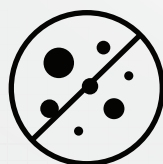
Excellent stain
resistance



Self-healing
property



Hydrophobic
property



Anti-yellowing



Excellent chemical
resistance



Easy for installation
on curved surfaces

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
Mechanical Properties				
1	Peel Strength: 20 min @ 24°C	FTM 01	kg/in	>0.8 kg/ inch
2	Peel Strength: 72 hrs @ 24°C	FTM 01	kg/in	>1.2 kg/ inch
3	Gloss at 60°	ASTM D-2457	%	>85%
4	Tensile Strength	ASTM D-882	Mpa	>15
5	Elongation at break	ASTM D-882	%	>250
Ageing Performance				
6	Heat ageing 80°C/ 168 Hrs	Internal	–	Pass- No Detrimental Effect
7	Water immersion 40°C/ 168 Hrs	Internal	–	Pass- No Detrimental Effect
Stain Resistance				
8	Water and soap resistance Drop test fro 10 min	Internal	–	Pass- No Detrimental Effect
9	Battery acid Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
10	Diesel Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
11	SAE Motor oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
12	Hydraulic oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20°C to 30°C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

The shelf life of this film is one year when stored in its original packaging at the temperature ranging from 18°C to 26°C and Relative Humidity 50 to 60%.

Notes:

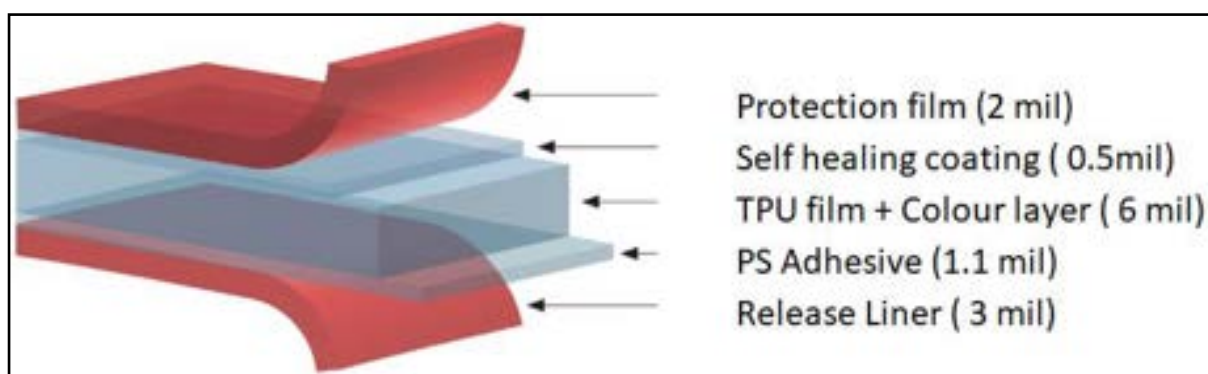
The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.

Technical Data Sheet

WINDSHIELD PRO+

Global External Windshield Protection Film is a specially formulated paint protection film consisting of high-performance pressure sensitive adhesive, ultra-clear Polyurethane film and unique self-healing coating to protect windshield from minor scratches and glass cracking due to flying stone chips during driving with excellent hydrophobic property.

Product Construction:



Nominal Thickness (Polyurethane film + PSA + SH Coating): 180 + 10%

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
1	Peel Strength	FTM 01	kg/in	>0.3
2	Gloss at 60°	ASTM D-2457	GU	>85
3	Tensile Strength	ASTM D-882	Mpa	>10
4	Elongation at break	ASTM D-882	%	>100
5	Visual Light Transmittance	ASTM D-1003	%	>90
6	UV Rejection	ASTM D-1003	%	>99
7	Surface Contact Angle	ASTM D-5946	°	>100°



Excellent optical clarity



Self-healing property



Hydrophobic property



Excellent chemical resistance



Easy for installation on curved surfaces

Post Care & Maintenance:

1. Do not operate windshield wipers in dry conditions.
2. Recommended usage of silicone wiper blades as it is of utmost importance to avoid wiper scratches. Replace silicone wipers as needed.
3. Reapply ceramic coating every two months to help keep the windshield surface clean.
4. Ensure that the film is completely dry and cured before using the windshield wipers.
5. Use soft microfiber towel to wash and dry the film surface.
6. Do not clean the film in dry conditions always use washing solutions while cleaning.
7. Remove ice and snow buildup on the film surface before operating the windshield wipers.
8. Replace silicone-type or silicone-coated windshield wipers as needed.
9. Remove contaminations like bird droppings, dirty washer fluid, other contaminants sit on the film as soon as possible. This may lead to contamination and stains on the film.
10. Do not point high pressure nozzle tip pointing directly at the edges of windshield film.

Limited Warranty:

1 Year for manufacturing defects like delamination, discoloration

Exclusion from Warranty Coverage and Safety Notice:

1. Windshield film is not warrantied against wear and tear from rock chips, windshield wipers, and if post care and maintenance is not followed as per recommendations.
2. Recommend not to operate vehicle if Windshield film peels off, cracks, bubbles, yellow or with loss in transparency/ scratches as it may cause serious damage or injury to you, your vehicle or other persons. We hereby disclaim liability for such damages or injuries caused because of such conditions.

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20°C to 30°C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

The shelf life of this film is 1 year when stored in its original packaging with temperature ranging from 18°C to 26°C and Relative Humidity 50 to 60%.

Notes:

The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.

Technical Data Sheet

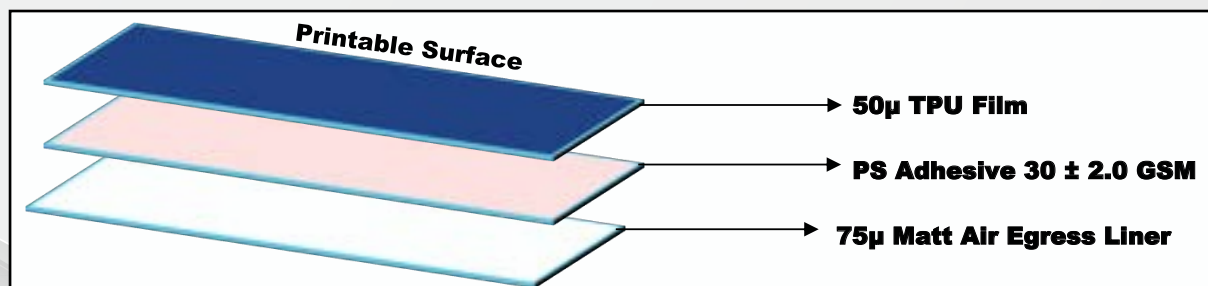
PRINTABLE PPF

Printable Paint Protection Film (Printable PPF) is an advanced thermoplastic polyurethane (TPU)-based film designed to combine high-definition digital printability with long-term surface protection. This system enables custom graphics while delivering superior durability, self-healing performance, and resistance to environmental damage.

The construction typically consists of a white and transparent printable TPU base film, which is over-laminated with a clear, self-healing TPU topcoat. This layered structure ensures that printed graphics remain vibrant while being protected from scratches, UV exposure, chemicals, and weathering.

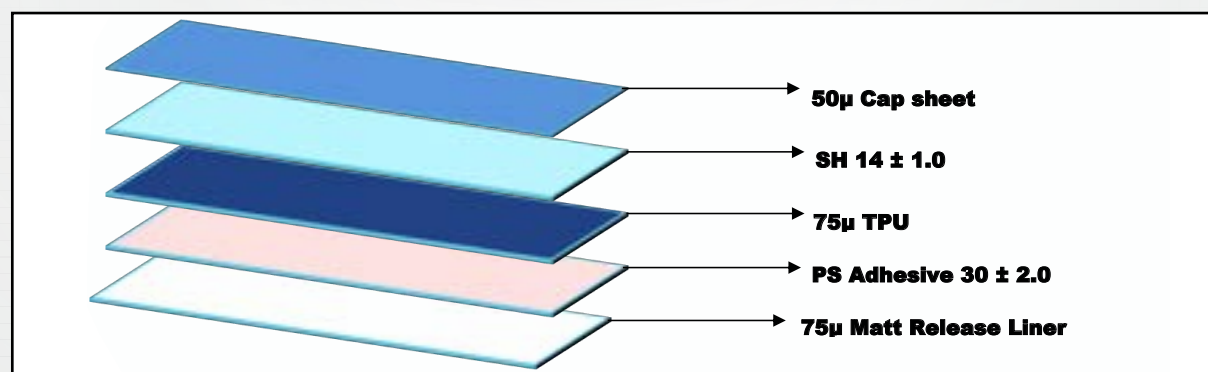
Printable PPF is widely used in automotive restyling, branding, and paint protection applications, offering both aesthetic flexibility and functional performance.

Product Construction:



Compatible Overlaminates:

3mil Clear Overlamine: Enhances durability and yellowing resistance



Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
Mechanical Properties				
1	Peel Strength: 20 min @ 24°C	FTM 01	kg/in	>0.8 kg/ inch
2	Peel Strength: 72 hrs @ 24°C	FTM 01	kg/in	>1.0 kg/ inch
3	Gloss at 60°	ASTM D-2457	GU	>85
4	Tensile Strength	ASTM D-882	Mpa	>10
5	Elongation at break	ASTM D-882	%	>150
Ageing Performance				
6	Heat ageing 80°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
7	Water immersion 40°C/ 24 Hrs	Internal	–	Pass- No Detrimental Effect
Stain Resistance				
8	Water and soap resistance Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
9	Battery acid Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
10	Diesel Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
11	SAE Motor oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect
12	Hydraulic oil Drop test for 10 min	Internal	–	Pass- No Detrimental Effect



Dual Functionality
(Protection + Customization)



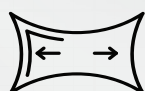
Excellent Printability



Self-Healing
Technology



Superior
Durability



Excellent Flexibility
& Conformability



Chemical &
Stain Resistance



Strong Adhesion with
Clean Removability



Versatile
Application

Difference between Printable Paint Protection film and Vinyl Film:

Features	GHFL Printable PPF	Vinyl Printable
Scratch Resistance	Excellent	Moderate
Self-Healing	Yes	No
Durability	5 years	3 years
Finish Quality	Premium	Standard

Roll Dimensions of Printable PPF (White and Clear variant):

Standard Roll Length	50 Feet
Available Widths	5 Feet
Total SQFT	250 SQFT

Roll Dimensions of Over Laminate (Clear):

Standard Roll Length	50 Feet
Available Widths	5 Feet
Total SQFT	250 SQFT

Storage & Handling:

Store at 20–30°C and 50% RH. Keep away from direct sunlight and dust. Use within recommended shelf life of 1 Year

Application Conditions:

Recommended application surface and ambient temperature: 20°C to 30°C.
Application should be carried out in a dust-free environment and away from direct sunlight.

Application Method:

Recommended dry application for installation.

Notes:

The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.