



Product Catalogue 2023





About us

ORAFOL® is one of the world's leading manufacturers of innovative self-adhesive graphics films, reflective films, and adhesive tapes systems. Established in 1808, originally manufacturing postage stamp inks for the Kingdom of Prussia, certainly a far cry from where the company is today as the manufacturer of world leading products into a diverse range of markets for many applications.

The company serves and manages the increasing and demanding challenges of a dynamic international market. ORAFOL operates across Europe, the USA, Asia, and the Middle East and has more than 1800 employees worldwide. With the ever expanding 250,000 m² manufacturing facility in Oranienburg in Germany where the global headquarters is based.

ORAFOL Australia is a national network of distribution facilities providing best practice technical support, product solutions, customer service and supply to our growing customer base.

Our three divisions namely, Graphic Innovations, Reflective Solutions and Adhesive Tape Systems, service many cross functional markets in Australia.

As a direct to market manufacturer the team at ORAFOL Australia are focused on driving our brand and product portfolio developing strong and lasting relationships with our customers within the relevant market segments. The Australian market is very dynamic and delivers continual growth in traditional arenas and adjacent markets.

Our vision is to be the industry leading manufacturer and to be able to provide our customers with the best possible product and application solutions.

Alex McClelland
Managing Director
ORAFOL Australia Pty Ltd



We make doing business easy!



Ordering from ORAFOL Australia is so easy.
Whether you know exactly what you want, or need specialist advice, we make it easy.
Our National team are always here to assist.

Customer Service:

 1300 672 365

 sales@orafol.com.au

Or find us online:

 www.orafol.com.au

 [orafol_australia](https://www.instagram.com/orafol_australia)

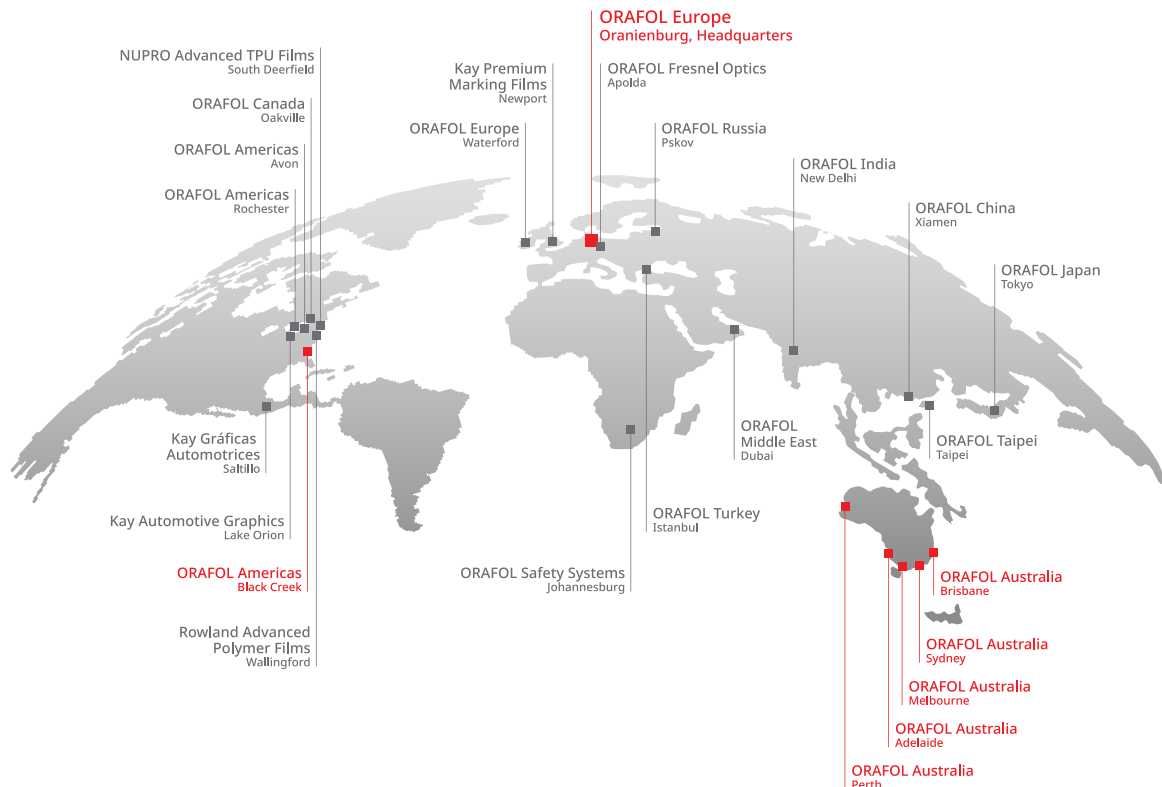
 [ORAFOL Australia Pty Ltd](https://www.youtube.com/OrafolAustralia)

 store.orafol.com.au

 [ORAFOL Australia Pty Ltd](https://www.linkedin.com/company/orafol-australia)

ORAFOL is one of the world's leading manufacturers of innovative self-adhesive graphic films, reflective materials and adhesive tape systems. The international ORAFOL Group is headquartered just outside the city gates of Berlin, in Oranienburg.

ORAFOL Group Worldwide Presence



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NEW ADDRESS
MAY 2023

ORAFOL Western Australia

20 Radius Loop, Bayswater
Western Australia 6053
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ORAFOL National Customer Service

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Green Initiatives & Social Responsibility

At the ORAFOL Europe GmbH, we acknowledge our responsibility to help our communities and to protect the environment we live in.

Environmental sustainability and corporate social responsibility are principles that guide our actions and decision-making, from management to individual employees. All our employees know that they are empowered to make a difference.

Our efforts in this field are continuously ongoing – not just a sporadic activity. We are committed throughout our organisation to continuously improve our environmental sustainability efforts and to reach out to people around the world.

Green Initiatives

When it comes to environmental responsibility, ORAFOL go beyond just complying with regulations. Protecting the environment for everyone is an integral part of our business.

At the ORAFOL GmbH headquarters, our specially-designed environmental management system is certified according to ISO 14001. It features regenerative incinerators which not only reduce emissions from our manufacturing processes; they improve the air quality. That's because its emissions are even cleaner than that of our existing surrounding air quality. Energy efficiency is maximised by returning the recovered heat to the production process and the heating system, creating a closed raw material, energy and resource cycle.

Our in-house environmental lakes at headquarters are designed to minimise the impacts of production on the environment and protect the health of our employees and local community. Specially-protected animals and plants live and thrive in them.

In addition, an integrated management system combining both the ISO 9001 and ISO 14001 standards is being completed at one of the production sites in the United States.

Corporate Social Responsibility (CSR)

Long before "Corporate Social Responsibility" (CSR) became a popular term, ORAFOL facilities around the world have actively engaged in giving back to their communities.

A sampling of these initiatives includes large donations of reflective products for child safety initiatives throughout the world, volunteering in local schools to teach business basics, and volunteer work with organisations such as Rebuilding Together, a leading nonprofit organisation which helps low-income Americans to repair and refurbish their homes and to rebuild communities. Financially, the company has provided scholarship support to inner city students as well.





National Supply

KPMF Products are well stocked across all facilities Australia wide. All facilities can also convert product into the right size for your project.

Customer Service

Our dedicated customer service team look forward to you contacting them to service your requirements. They can help with pricing and stock information as well as providing delivery details.

Technical Support

Our highly experienced team carries years of technical expertise and an abundance of product knowledge. Our objective is to always provide industry best product solution and application knowledge.



KPMF vehicle wrap is the product of choice for vehicle wraps and feature decals across the world.

Cast Vehicle Wrap

KPMF's vehicle vinyl wraps provides a diverse range of distinctive Iridescent, Starlight, Pearlescent and Metallic colours in both matte and gloss finishes.

VWS IV (Vinyl Wrapping System) is a range of premium quality cast PVC films specifically developed for vehicle wrapping. These premium cast products are formulated using the latest advances in chemical and pigment technology to offer exceptional dimensional stability and long term durability.

The combination of soft cast vinyl formulation and specific adhesive design offers excellent conformability into recesses, and adhesion which allows the film to be removed using heat and/or chemicals up to a period of three years from a range of substrates (subject to exceptions covered in the warranty).

Features

- Unique Perfect Finish solid colours
- Vibrant gloss and matte Metallic colours
- Exciting colour changing Iridescent finishes
- Colour shifting sparkling Starlight, dramatic Frozen and subtle Pearlescent finishes
- Absolute matte with a soft feel and luxurious appearance.
- Premium quality cast PVC film construction
- Suitable for long term outdoor environments
- KPMF's Airelease technology enables bubble free flow out during installation

Unique Appearance

Choose from KPMF's diverse range of distinctive Iridescent, Starlight, Pearlescent and Metallic colours in both matte and gloss finishes.

Total Colour Change or Spotlight Features

Transform the appearance of your vehicle by choosing a total vehicle wrap or simply highlight specific features with KPMF's eye catching colours and distinctive effects.

Trouble Free Application

KPMF's Air Release technology helps you achieve a quick and easy, bubble free installation.

Wrap With Confidence

Involved in the development of the first ever vehicle wrap product, KPMF has accumulated over 20 years' experience with vehicle wrapping products enabling you to Wrap with Confidence™.

Exciting Colour Range

Choose from a variety of solid, Iridescent, Pearlescent, Starlight and Metallic colours in gloss and matte finishes.

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Metallic

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- Visit our web site for an interactive colour selector – www.kpmf.com/colour-selector
- Choose your car and simulate the colour and the effect that you're looking for

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- Wrap with Confidence. KPMF were involved in the very first vehicle wrap product.
- Wrap with KPMF, over 20 years experience in wrap films

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K75000 Series

Perfect Finish & Metallics









🔥 Fire Certification: Group 1, AS 5637.1 - 2015.

Product Features

The K75000 series Perfect Finish colours are a range of 80 micron premium quality cast PVC films. K75000 Metallic Finish colours range between 80 and 100 micron. Both films are specifically developed for vehicle wrapping. This series is supplied on Premium Airrelease Liner. Up to 3 years removability.


Perfect Finish

Product	Colours	Roll Size	1-9m	10-24m	25m+	Roll Price
K75000 Series	All Perfect Finish Colours	1524mm x 25m	\$71.51	\$66.26	\$61.33	\$1,533.25

							
K75411 Chalk White	K75415 Ominous Grey	K75443 Perfect Black	K75444 Perfect White	K75449 British Racing Green	K75531 Stealth Tundra	K75546 Matte Perfect White	K75547 Matte Perfect Black

Metallic Finish

Product	Colours	Roll Size	1-9m	10-24m	25m+	Roll Price
K75000 Series	All Metallic Finish Colours	1524mm x 25m	\$71.51	\$66.26	\$61.33	\$1,533.25

								
K75320 Matte Anthracite Cast	K75402 Atlantic Pearl	K75403 Vengeance Red	K75405 Indulgent Blue	K75406 Momentum Pink Gloss	K75407 Envious Green	K75409 Solar Flash	K75440 Magnetic Black	K75441 Excelsior Blue
								
K75447 Midnight Crimson Bloom Gloss	K75448 Phantom Black Metallic Gloss	K75452 Opulent Indigo	K75468 Imperial Orchid	K75501 Matte Iced Silver Titanium	K75502 Matte Iced Orange Titanium	K75505 Matte Iced Blue Titanium	K75506 Matte Iced Red Titanium	K75528 Matte Phantom Black
								
K75534 Matte Iced Yellow Titanium	K75538 Matt Sonic Yellow Pearl	K75539 Matte Siberian Pearl	K75540 Matte Crystalline White	K75542 Matte Viper Green	K75543 Matte Java Brown	K75544 Matte Trenton Blue	K75545 Matte Russet Red	K75548 Matte Lightning
								
K75549 Matte Anodised Bronze	K75550 Matte Welsh Slate	K75551 Matte Magnetic Black	K75552 Matte Aurora Pearl	K75554 Autumn Fire	K75555 Satin Rose Gold	K75556 Matte Nero Flare	K75561 Matte Elan Blue	K75568 Matte Iced Amethyst Titanium
								
K75573 Frozen Ruby	K75575 Frozen Mystic Pink	K75577 Frozen Emerald	K75578 Frozen Sapphire	K75801 Absolute Matte Mythos Red	K75802 Absolute Matte Quantum Blue	K75803 Absolute Matte Royal Amethyst	K75507 Matte Iced Green Titanium	K75562 Matte Sinister Blue
								
K75459 Hypnotic Black Violet								

All prices ex GST, ex delivery. *Colours are not a 100% colour match to the actual material. Colour is provided as a reference only. All colour swatches may not be represented.

K75000 Series

IRIDESCENT, STARLIGHT & PEARLESCENT

🔥 Fire Certification: Group 1, AS 5637.1 - 2015.

Product Features

The K75000 Iridescent, Starlight & Pearlescent series are a range of 85-110 micron dual cast PVC films specifically developed for vehicle wrapping where a novel colour flip application is required. The matte and gloss films are formulated using the latest advances in pigment technology to offer an exceptional range of colours with excellent dimensional stability and long term durability. This series is supplied on Premium Airelease Liner. Up to 3 years removability

Iridescent

Product	Colours	Roll Size	1-9m	10-24m	25m+	Roll Price
K75000 Series	All Iridescent Colours	1524mm x 25m	\$105.32	\$97.34	\$91.88	\$2,297.00

K75408 Black/Red Iridescent	K75460 Green/Black Iridescent	K75464 Purple/Green Iridescent	K75465 Purple/Black Iridescent	K75467 Purple/Blue Nebula	K75469 Blue/Black Iridescent	K75560 Matte Platinum Dark Sage Iridescent	K75565 Matte Purple/Black Iridescent	K75566 Matte Purple/Blue Iridescent

Starlight

Product	Colours	Roll Size	1-9m	10-24m	25m+	Roll Price
K75000 Series	All Starlight Colours	1524mm x 25m	\$105.32	\$97.34	\$91.88	\$2,297.00

K75470 Morpheus Black Starlight	K75472 Gold/White Starlight	K75474 Pink/White Starlight	K75476 Pacific Blue/White Starlight	K75479 Copper/Black Starlight	K75571 Matte Morpheus Black Starlight	K75572 Matte Gold/ White Starlight	K75574 Matte Pink/ White Starlight	K75576 Matte Pacific Blue/White Starlight

K75579 Matte Burnished Bronze Starlight

Pearlescent

Product	Colours	Roll Size	1-9m	10-24m	25m+	Roll Price
K75000 Series	All Pearlescent Colours	1524mm x 25m	\$71.51	\$66.26	\$61.33	\$1,533.25

K75482 Green/White Pearlescent	K75484 Blue/White Pearlescent	K75486 Indigo/White Pearlescent	K75488 Magenta/ White Pearlescent	K75584 Matte Blue/ White Pearlescent



K71000 Series

SPECIALTY OVERLAMINATES

🔥 Fire Certification: Group 1, AS 5637.1 - 2015.

Product Features

The K71000 Laminate series is a range of 60 micron specialty overlaminate films featuring luxury, innovative overlaminates that transform any application with the creation of a sparkling starlight or subtle pearlescent appearance. These high quality cast overlaminating films have been specially developed for use as a vehicle wrap overlaminate or in the digital imaging industry. They permanently enhance and protect both solid colour and print media.

Product	Colours	Roll Size	1-9m	10-24m	25m+	Roll Price
K71000 Series	All Specialty Overlaminates	1524mm x 25m	\$58.91	\$54.60	\$50.51	\$1,262.75



All prices ex GST, ex delivery. *Colours are not a 100% colour match to the actual material. Colour is provided as a reference only. All colour swatches may not be represented.



K7552 Aurora Pearl

K88025 – *without air release* High Gloss Black coated PVC film with PET Liner

Product Features

K88025 High Gloss Black Paint Replacement Film was developed primarily for vehicle roof applications producing a high gloss panoramic roof appearance. The material is also suitable for signage and decal applications. The 120mic film is produced using a polyester liner, a permanent adhesive and a flexible clear coating on the top surface that gives an exceptionally high gloss appearance along with increased durability and scratch resistance.

Product	Colours	Roll Size	1-9m	10-29m	30m+	Roll Price
K88025 1524	High Gloss Black	1524mm x 30m	\$100.30	\$92.70	\$87.50	\$2,625.00

K87521 – *with air release* Pure Gloss Black coated PVC film with structured PET Liner

Product Features

K87521 Pure Gloss Vehicle Wrap films have been developed specifically for vehicle wrap applications and are produced using a structured polyester liner, an easy apply adhesive and topped with a flexible clear coating that gives an exceptionally high gloss appearance, increased durability and scratch resistance. These superior quality, soft hybrid PVC films have been formulated using the latest advances in chemical and pigment technology and offer exceptional dimensional stability and excellent long term durability.

Product	Colours	Roll Size	1-9m	10-29m	30m+	Roll Price
K87521 1524	Pure Gloss Black	1524mm x 30m	\$115.40	\$107.30	\$99.20	\$2,976.00

INTRODUCING A NEW ERA OF DIGITAL SWATCHBOOKS

KPMF is excited to bring wrap shops and installers worldwide a premium visualiser to assist with the promotion of KPMF products. Help your customers select the perfect KPMF colour for their vehicle using this new tool which is available at no cost to you.

KPMF have partnered with AAV to recreate the entire KPMF range of wrap colours and finishes with precision. The visualiser includes many features including several vehicles, different environments, the ability to change the time of day and updates when new colours launch.

Download the visualiser today for your PC or MAC to get started with this great new sales tool!

Visit - www.kpmf.com/colour-selector

The digital colour swatches displayed in AAV3D depict the most accurate representation of KPMF colours and finishes as possible. However, due to differences in computer monitors, we cannot be responsible for colour discrepancies between the actual product and what is visually represented on your screen. For a valid representation of the true colour and finish of these products, we recommend also viewing a physical sample of the product(s) in different lighting conditions



Durability Statement

KAY PREMIUM MARKING FILMS LTD DURABILITY STATEMENT

KPMF Vehicle Wrap System (VWS) is a range of high performance cast films designed for vehicle wrapping applications. All VWS products are suitable for complete vehicle wraps or can be used to highlight individual components or add specific features to sections of vehicles. With the option of semi-permanent adhesives allowing film to be removed using heat and / or chemicals up to a period of three years from a range of substrates subject to exceptions covered in the warranty.

It is unlikely that KPMF film will fail in service. KPMF films have undergone extensive weathering tests completed in Townsville Australia as well as other global locations.

KPMF proudly support product when used according to installation conditions and techniques provided within the KPMF Application Guide and when the finished wrap is maintained according to the published guidelines.

Any warranty claim will be assessed on a case by case basis. Any warranty claim must be supported with samples, photos, batch numbers and appropriate documentation to support preparation, installation and post care practices.

Refer to the following details regarding the expected durability of KPMF products.



K75556 Matte Nero Flare

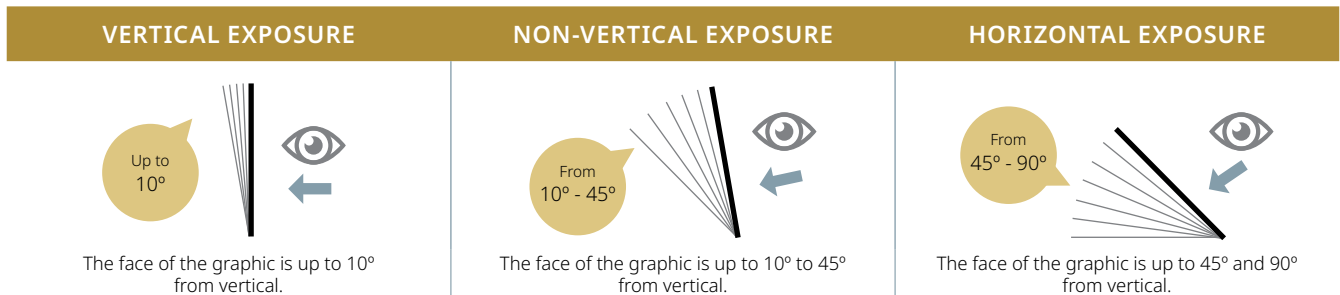
Outdoor Durability Warranty Specifications

Published outdoor durability specifications for KPMF films represent the expected performance of our films in vertical exposure applications (+/- 10° from vertical orientation) located in standard climate conditions located in Climate Zone 1.

KPMF Performance Warranty excludes all calendared print films and associated overlaminates when used in a horizontal application.

Pro Rata warranty information for other application angles and climate zones is shown below:

Angle and Direction of Exposure



Climate Zones

ZONE 1

Tasmania, Melbourne, Adelaide, Canberra, Sydney, Brisbane and Perth.

All locations within zone 1 above 1000 metres are considered zone 2.



ZONE 2

100km north of the line between Brisbane, Perth, Northern Territory, Alice Springs, Broken Hill, Broome, Cairns and Townsville.

Product Range

	Zone 1 - Vertical
K75000 SERIES - PERFECT FINISH	7
K75000 SERIES - METALLIC	5
K75000 SERIES - IRIDESCENT	5
K75000 SERIES - STARLIGHT & PEARLESCENT	5
K71000 SERIES - SPECIALTY OVERLAMINATES	5

Example K75000 Perfect Finish

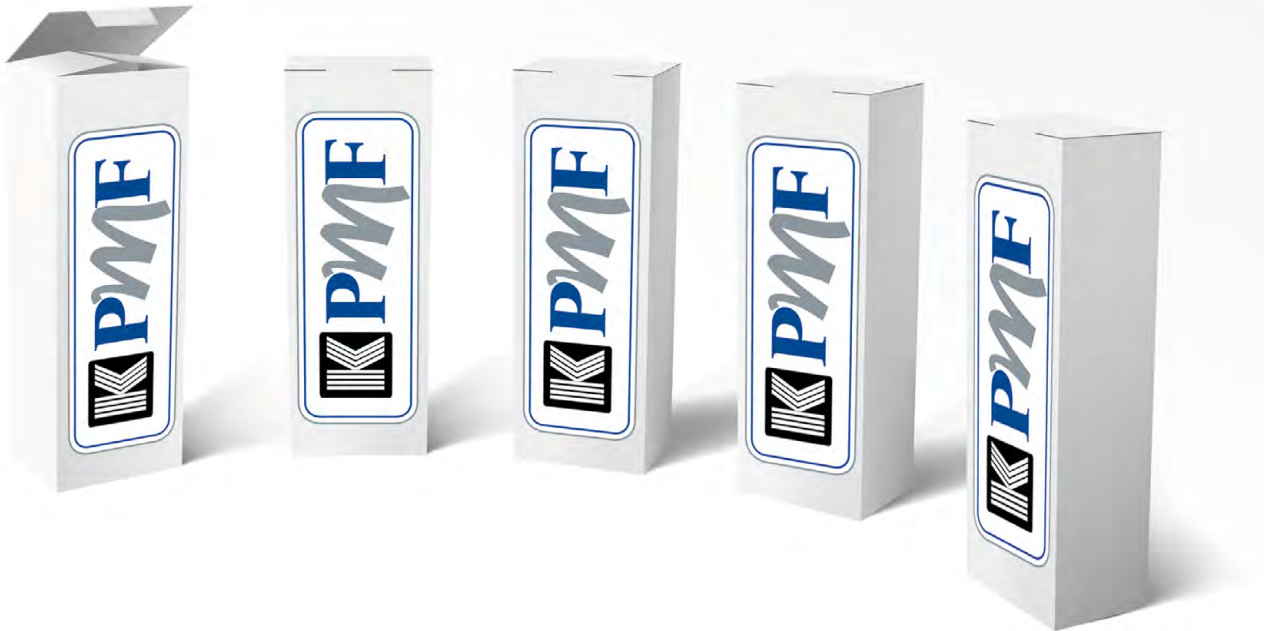
APPLICATION TYPE	Zone 1		Zone 2	
	Pro Rata Warranty Coverage	Expected Outdoor Durability*	Pro Rata Warranty Coverage	Expected Outdoor Durability*
VERTICAL	100%	7 years	75%	5.25 years
NON-VERTICAL	50%	3.5 years	35%	2.45 years
HORIZONTAL	25%	1.75 years	15%	1.05 years

*Subtract -20% from Durability for Marine Graphic applications. Durability details above are examples for K75000 Perfect Finish Colours. Pro Rata Warranty Coverage % applies to Metallic, Iridescent, Starlight, Pearlescent & Specialty Overlaminates based on the starting expected durability details provided for those products. Always refer to Product Data Sheet for full details. Specifications used in Angle and Direction of Exposure Table are examples only.



Vinyl Wrapping System Application Guide

1. Storage



- The VWS ranges offer a two-year storage guarantee for materials provided they have been kept at temperatures of +15°C to +25°C and at relative humidity of 40 to 60%.
- Avoid direct exposure of the vinyl to high temperatures (near radiators, direct sunlight etc.)
- Any part used rolls should be kept vertical or horizontally hung on racks. Rolls should never be placed on their sides as this could lead to a large matte section appearing in the whole roll.

From time to time rolls may become matte in parts. The softness of the material means that the surface can take on the appearance of the release liner in the next single turn. This is perfectly normal and reversible. The VWS range will regain its glossy appearance once applied to the substrate (car, truck ... etc) although the time it takes to regain its original finish will depend on the temperature. In winter it may take several days, or in summer, just a few hours. If a hot air gun is used during application, it could take just a few seconds.

2. Preparation and Cleaning of the Vehicle



To achieve the best result it is essential that careful preparation of the surface is completed before wrapping begins.

It is recommended that the film be applied indoors, in a clean, well lit, dust free environment.

Do not bring the car in from the cold and begin to wrap, it is important that the car is acclimatised to room temperature before beginning to wrap.

- Lights, handles, aerials, trims and any other protruding items should be removed, where possible, before application.
- Car wax and polish residue must be completely removed.
- Newly painted vehicles must be allowed 3 weeks drying time.
- Clean all surfaces thoroughly using a four stage preparation process: -

(1) Thoroughly wash the surface to remove all dirt either by hand or in an automatic car wash.

(2) In a warm workshop environment, where the vehicle is at 18°- 24°C clean again with a white spirit/water mix at approximately 10% white spirit to water to remove any surface contamination, wax or silicone etc. Pay particular attention to recess areas when de-greasing and cleaning.

(3) Finally clean the recesses and rebates with 75% isopropyl alcohol to 25% water mixture or methylated spirit. Wipe dry with a lint free cloth before the alcohol/spirit has had an opportunity to evaporate.

(4) To ensure complete drying of the surface before application, a heat gun can be used. If not completely dry any moisture trapped beneath the film could lead to failure. It is important to pay attention to the edges, particularly around the rubber seals where moisture could be trapped.

The surface should now be properly prepared for application. Cut a piece of vinyl for the panel about to be wrapped, then clean the panel once more before beginning to wrap. Cleaning the panel once more after cutting the vinyl for each section ensures no dust from cutting the vinyl is on the vehicle panel about to be wrapped. Repeat this for each panel.



3. Application



3.1 Dry Application Method

Dry application is the preferred technique and the only method recommended and warranted by KPMF.

Applications should be performed in clean and dry workshop conditions with the surface allowed to reach the ambient temperature of 20°C. A cold environment may make the film more brittle and application to a cold substrate will adversely affect the adhesive bonding characteristics by reducing the adhesive tack. An environment that is too warm will also affect the adhesive and could result in it becoming more aggressive with a higher initial tack.

Tools required: -

- Masking tape
 - Soft and hard squeegees
 - Scalpel/retractable trimming knife
 - Tape measure
 - Heat gun
 - Cleaning/de-greasing cloths and materials
 - Basic toolkit (for handle/trim removal)
 - Rivet brush
 - Cotton wrap gloves
 - Magnets
 - Cutting Tape
- For three-dimensional surfaces that require the vinyl to be shaped or moulded around rivet heads, corrugations, welded areas etc. some heat applied by a heat gun may be required.
 - The application of the film to a vehicle is best performed by two people. Overall wrapping times can be reduced with the assistance of a third person to remove and replace trims, handles, lights etc. and on larger vehicles when wrapping roofs and 'difficult to get to' places.

- Mask off any areas that will not be wrapped such as trim, lights and door handles (if they have not already been removed). This prevents the film from bonding to these areas during installation and aids easier repositioning.
- Measure and cut the first panel of material, when handling very large pieces of film it might be helpful to install one half at a time. Using a back slitting knife remove half of the liner and finish this half before moving to the next.
- As most films are directional, always make sure to apply with the logos on the liner facing the same way. A rotation of 90 degrees may make the film appear to be a different shade.
- Clean panel as detailed in point 2. Remove the protective release liner at an angle of about 30°- 40° angle immediately prior to application, this ensures there is limited chance of the material picking up dust.
- Keeping the material taut by holding both top corners, offer the material up to the panel and taking the predominant swage line work horizontally down the panel using a squeegee in horizontal strokes, when the area below the swage line is complete work horizontally upward. Use as little tension as possible when applying the film.
- Apply broad overlapping horizontal strokes using a soft squeegee to secure the large areas of material, (ignore recesses for the moment). The unique adhesive will allow air bubbles to be dispersed easily. If any large bubbles become trapped or a crease appears then warm the vinyl surface, 'tap' the material away from the vehicle and then re-squeegee.
- When wrapping using material produced on Airelease Liner it is essential that the whole surface is thoroughly squeegeed during application, paying particular attention to large areas such as the roof and bonnet. See Point 3.2 for full instructions on applying KPMF VWS with Airelease Liner.
- Always complete each section before beginning to wrap the next section. If material is left on an area without finishing at some point during the wrapping, when completing at a later stage, this could result in noticeable stress marks on the completed wrap.
- Where recesses and stepped changes of section are encountered, the film should be laid or fed into and around these sections applying as little tension as possible (see Point 3.3 on application into a recess). Use a hard squeegee edge to ensure that the material is well adhered to the internal angles/ returns of the recesses. NOTE: If using heat, use only the minimum amount of heat required (35°C - 45°C) to make the film soften/ relax, and work in small areas stretching the vinyl applied to the flat section.
- Finally heat the film again in these areas to 80°C - 90°C to ensure the adhesive is fully activated and the vinyl is set – this will help achieve ultimate adhesion in these difficult areas.
- For compound curves and complex multi curves, such as the rectangular grooves on panel vans, special techniques must be used. This involves laying a cut section into the groove, the edges of which are then overlapped by the vinyl covering the van side. See section 3.5 for further information



- Caution: If using a heat gun, keep it at least 200mm away from the vinyl surface and use broad sweeping movements to heat the vinyl. Use only the minimum amount of heat at all times. Overheating the film will contribute to adhesive failure.
- During fitting, care should be taken not to overstretch the film. Minimum tension should be used and it is best to average the 'stretch' over as large an area as possible.
- If the film is being printed, it is suggested that the design is carefully planned to allow for 'stretch' zones around door edges/recesses and for cutting and fitting into recesses.
- The film should not be cut flush to the edges of bonnets, doors boot or panel edges. Instead, the film should be wrapped around the edges by about 6mm to minimise the exposed edges of the vinyl.
- When rubber seals and trim are present and cannot be easily removed, the film should not be cut to the edges of the rubber mouldings, it is important to tuck the material under the edges to eliminate the possibility of exposed edges of the vinyl. This can easily be done using a piece of the release liner with the film removed. Simply fold a small piece in half and tuck it between the seal and body panel. The liner will hold the seal away from the film as you use your squeegee to tuck it in and secure it to the body panel.
- Text can be applied separately after wrapping.
- As with all vinyl, printed materials must be thoroughly dried for a minimum of 24 hours to eliminate the chance of retained solvents affecting the adhesive properties. The use of ICC Profiles is highly recommended to maintain compatibility.
- If overlaminating the printed vinyl please allow a minimum of 48 hours for the inks to cure before lamination.
- Application to materials such as ABS, PP or rubber is not recommended. Do not apply VWS to these surfaces if long-term decoration is required.
- After application, do not clean the vinyl with a solvent-based cleaner. Normal vehicle washing procedures should be used.
- For further advice regarding Airelease application please refer to the following section.



3.2 KPMF AIRELEASE Application

This section is specifically intended for use when applying KPMF VWS product produced on Airelease Liner.

The invisible structured surface of the Airelease Liner provides a reduced initial tack giving a trouble free and effortless application, when using Airelease liner it is essential that the whole surface is thoroughly squeegeed during application to ensure a consistent adhesive bond with the vehicle surface. When completing a full vehicle wrap it is advisable to wrap the roof and bonnet of the vehicle before all other sections.

- The vehicle should be prepared and cleaned as instructed in Section 2.
- Application should be performed in a clean dry workshop at an ambient temperature of 18°C - 24°C, but it is important that the vehicle is not heated prior to application.
- When using material with Airelease Liner the dry method application technique should be followed, see Point 3.1.
- The Airelease technology allows ease of positioning and repositioning which must be completed at the time of application. Repositioning of material at a later stage could result in stress marks.
- It is essential that during application the whole surface of the vehicle is thoroughly squeegeed, using light strokes initially with the pressure being increased gradually to remove all the air from under the film. If too much pressure is used this can cause the air channels to close which will diminish the effect of the Airelease technology. Pay particular attention to large areas such as the bonnet or roof, to ensure the adhesive has a complete bond to the surface of the vehicle. If any part of the surface is missed air pockets could develop causing air bubbles to form.



- If bubbles are visible do not push the bubble from the outer edge with a squeegee as this may cause “bruising”.
- If applying into recesses and using heat, this should be done immediately as a delay in heating can cause the film to lift. For extreme recesses it may be necessary to adopt the filleting process as outlined in Point 3.5.
- Following the application the vehicle should be kept at room temperature for as long as possible. It is important that the vehicle is not placed in direct sunlight immediately after the application, this is to reduce the risk of any micro bubbles which may be under the surface expanding causing large air bubbles.



3.3 Application into a recess

To apply vinyl to a recess, the material should be applied on top of the recess without stretching. The material should then be heated above the recess and the material stretched on the flat/straight section.

The material should then be fed into the recess without any need to stretch/stress this area. After application the section should be post-heated to “set” the vinyl.

3.4 Relaxing Material before Application

The relaxing technique is fundamentally pre-stretching the material.

While it is possible to stretch vinyl around a curved surface e.g. a wing mirror, it might be necessary to stretch the material extensively, resulting in a possible failure. This can be avoided by pre-stretching.

Pre-stretching is achieved by removing the liner from the film, tacking one edge of the vinyl to a fixed position, heating the film and gently stretching it by hand. Hold the material in the stretched state and allow it to cool. The material should then be placed onto the wing mirror and applied to as much of the centre area as possible, then, whilst holding the edges of material off the vehicle apply heat, the material will contract back allowing you to fold around without creases. This makes the final edges of the material fully contracted and not stretched eliminating the chance of failure.



3.5 Application to Panel Van Recesses

- Apply VWS over the panel and recess. Cut a strip of the film (fillet) wide enough to fit into the recess and internal edges allowing material for trimming. Remove the excess material leaving the fillet. Working from the centre of the recess outwards in both directions, squeegee the vinyl into the base of the recess, around the internal radii and up to the outside edges of the recess. Remove the waste from the panels.



- Apply VWS to the flat panels and cut to overlap the edges of the vinyl in the recesses. Use gentle heat if necessary on the corners. This application method hides the joint line from view and ensures that the vinyl remains in the recesses.



3.6 Wet Application Method

PLEASE NOTE KPMF DO NOT RECOMMEND THE WET APPLICATION METHOD FOR ANY PRODUCTS PRODUCED WITH AIRELEASE LINER.

THE WET APPLICATION METHOD IS HOWEVER THE SUGGESTED APPLICATION METHOD FOR KPMF'S PAINT PROTECTION FILMS (TOP COATED POLYURETHANE) AND HIGH GLOSS PRODUCTS E.G. K88025 HIGH GLOSS BLACK.

- Wet application under normal conditions is not recommended because: -
 - This method of application, combined with the low initial grab of the adhesive, produces very little initial tack.
 - Trapped water will restrict adhesion and makes it very difficult to “work” the material into recesses and around complex shapes.
 - The ultimate adhesion may be compromised, particularly in a cold climate.
- Film applied by wet application will not be warranted with regard to removal.
- If a decision has been made to use the wet application method KPMF would suggest using a mix of 1 litre water + 5 drops Johnson’s Baby Shampoo. Following the application the vehicle must be kept in a heated environment for 24 hours after application and after this period of time the whole vinyl surface should be re-heated with a heat gun and squeegeed firmly. Pay particular attention to recess and swage line areas.



4. Aftercare

Your KPMF wrap is a specialist PVC film which is made up of specialist automotive pigments, resins, plasticisers and various stabiliser packages to ensure the film has maximum durability. The film will provide protection for the underlying paint surface but, is not indestructible and will benefit from good aftercare to ensure it looks its best for a long as possible.

When preparing to clean the car, as with standard car paint, do not spray anything onto the wrap while it is hot. Excessive or over vigorous cleaning can damage the integrity of the film by washing out key components of the matrix, so after application do not clean the vinyl with solvents, solvent based cleaners, oil based cleaners or any abrasive cleaners such as kitchen or bathroom cleaning products. We discourage the use of power washes, steam cleaning and washing systems involving chemicals since all of these can accelerate damage to any vinyl product by leaching out essential components. If you must pressure wash your vehicle, keep the pressure below 140 bar (2,000 psi) and the water temperature below 60°C (140°F). Use a spray nozzle with a 40 degree wide angle spray pattern at 90° to the surface of the wrap and at least 12 inches away from the car edges.

For the best results you should wash your vehicle weekly, or more often if it is exposed to a lot of dirt or pollutants, using a gentle pH neutral automotive car shampoo. Wash with a good automotive sponge or clean, soft cloth, then after washing, rinse the vehicle with clear water. Water spotting can be minimized by using a chamois leather to remove residual water. Finally dry all surfaces with a clean microfiber cloth. For matte wraps shampoo should be wax and gloss enhancer free. Wash and wax type products can lead to a build-up on the surface of the vinyl that will make it appear cloudy, blotchy or uneven. Stick to a pH neutral car shampoo product for regular washes. The occasional use of an alkaline wash, like Surface Prep Wash can actually be beneficial to matte vinyl as it removes unwanted waxes and oils from the finish.

You can use an automated brushless car wash, but hand washing is safer and yields better results. Car washes that use brushes may be too aggressive, degrading the film and could cause failures such as peeling and lifted edges.

As with the original paint on a vehicle, letting stains remain too long will make them harder to remove and may permanently damage the wrap. Clean bird droppings and difficult stains, which can be highly acidic, as soon as possible by soaking them with hot, soapy water to loosen the contaminants, then rinse completely and dry with a microfiber cloth. For stubborn contaminants, use two parts isopropyl alcohol to one part water.

Avoid cleaning with strong solvents or products containing solvents unless absolutely necessary as they can cause discoloration, bubbling, cracking and other issues. Cleaners containing glycol or butyl acetate should be avoided completely.

Petroleum distillates, should also be avoided, specifically those found in bug and tar removers and similar cleaners as they have the potential to damage vinyl surfaces quickly with minimal exposure.

Always test any solutions on a small area that is not easily noticeable to ensure the cleaner will not harm the wrap.

Clean off fuel spills immediately, then hand wash the affected area. Letting the spill stay on the wrap for too long will degrade the vinyl.

Once cleaned, the surface of a gloss wrap can be polished/protected with a conventional car wax product. If absolutely necessary, scuffmarks should be removed by a gentle rub with "T-Cut" cutting compound, the gloss brought back by re-heating the vinyl followed by the application of a wax based polish. Never use heavy abrasives like cutting polishes, compounds or similar products as they can change the level of gloss on some vinyl or discolour others. This includes the use of polishing tools with abrasive pads.



For a matte wrap the objective is to clean it and keep it as original as possible. That removes any need to purchase waxes or polishes which are usually intended to create a gloss finish. Under no circumstances should a wax of any kind be applied to matte vinyl as it will discolour the material. Traditional car wash shampoo or detail spray may contain slight amounts of waxes, silicones and optical brighteners to help give glossy cars a better shine when cleaned. It is important to choose products that do not have any waxes, silicone or any other glossing agents in them. Only use dedicated matte care products.

Use of a matte liquid paint sealant will effectively protect the surface from staining, fading and etching. This type of product has all the properties of a poly-sealant for gloss finishes, without the resultant gloss finish.

It is best practice to never try and wipe down any surface, but particularly not a matte wrap surface, without some sort of cleaner or lubricant. Having a quick detail spray allows you to clean up soft contaminants like finger prints, fresh bird droppings and dust without risking damage to the surface.

Excessive amounts of time under the sun or other outdoor elements (rain, smog and debris, as well as road pollutants from passing cars) can degrade the wrap on horizontal surfaces which are a magnet for pollutants, the effect of which is then intensified by exposure to UV from the sun. In sunny places park your car in a garage or under a canopy or shelter if possible. If you must park it outside for prolonged periods look for shady parking areas.

Prolonged exposure to acid from pollutants in the air will eventually cause a wrap to discolour. This is typically a result of failure to follow the maintenance suggestions above. If you do notice brown, discoloured or rust coloured areas on your wrap, this means the area of vinyl affected has begun to degrade, a process which is irreversible. Please remove the film from the affected panel to prevent damage to the paint beneath and rewrap it.

5. Removal

Ideally the vehicle should be placed in a warm environment at about 20°C for at least 2 – 3 hours before attempting removal.

- Heat the vinyl to a temperature of +60°C to +80°C using a heat gun.
- Starting at an edge gently peel approximately 10 inches of vinyl away from the edge of the surface, make a cut away from the vehicle and then strip from the vehicle in 10 inch sections. This is best done at a 90-degree angle to minimise any adhesive transfer. Work gradually down each panel heating and peeling as necessary. This method will reduce any chance of paint coming off the vehicle. Caution: Do not snatch the material away from the surface or attempt to remove any areas that have not been heated.
- If there are any problems with removal – STOP – and contact ORAFOL Australia for advice on how to proceed.
- DO NOT continue to remove the film unless advised to do so by the VWS supplier.

- The VWS supplier cannot be held responsible for inappropriate removal methods or for poor paint/lacquer adhesion to the vehicle bodywork.

KPMF would recommend the use of Flexi Prep Adhesive Remover as an aid with the removal of any adhesive residue remaining following the removal of vinyl.

KPMF would always advise that a trial patch is tested before using Flexi Prep or any other adhesive removers.

6. Caution

- This film is not a cure for rust! It is recommended that it is only fitted to paintwork that is in good condition.
- Whilst the film will cope with most recesses and swage lines, it is possible to over-stretch the film. Very deep/textured recesses (similar to those found on the Mercedes Sprinter, Vito and other panel vans) can still present difficulties.
- Before wrapping vehicles with these types of recesses, please contact your ORAFOL Australia for specific application advice.
- It is strongly recommended that any printed vinyl is thoroughly dried for a minimum of 24hrs to eliminate solvent retention before being applying to vehicles. Solvent retention will affect the adhesive properties and the removability of the film.
- If laminating the printed vinyl please allow a minimum of 48 hours for the inks to cure before lamination.
- It is essential that the same batch of film is used for the complete application.

7. Material Supply

Supplies of material, training and application advice can be obtained from ORAFOL Australia. Details of all KPMF products can be found at, www.kpmf.com.



Kay Premium Marking Films are produced under careful quality control and are warranted to be fit for the purpose and free from defect in material and workmanship. Any material shown to be defective to our satisfaction at the point of sale shall be replaced free of charge. Kay Premium Marking Films Limited liability to the purchaser shall in no circumstances exceed the cost of the amount of the defective material supplied. This product has been warranted to provide clean removability, under controlled conditions, up to a period of three years from a range of substrates. Clean removability is deemed with less than 30% adhesive residue when using heat and chemical removal methods. Exceptions to the removal warranty are those applied to the following: pre-existing graphics, paint which is not properly bonded to the substrate and custom paint applications. There is no guarantee made for: ease or speed of graphic removal, removal from improperly cured paint, removal from oxidized or chalked substrates, or from horizontally exposed outdoor applications. Due to the large variety of available paint finishes, it is advisable to fully evaluate small areas particularly after printing prior to complete applications.





About KPMF

KPMF premium quality self-adhesive vinyl films since 1991. Kay Premium Marking Films (KPMF) has been manufacturing high quality self-adhesive vinyl films in South Wales, United Kingdom since 1991. Initially trading as Premium Marking Films (PMF) the company began operation in a modern 6,000m² purpose built factory designed for the production of high quality self-adhesive films. PMF's market reputation was soon established as a supplier of quality films into the high end of the graphics and printing industry.

In July of 1995, PMF was acquired by Kay Automotive Graphics (KAG) of Michigan USA, a premier supplier of graphics to the automotive industry. At this time, PMF changed the trading name to Kay Premium Marking Films (KPMF) Ltd. Kay Automotive Graphics also had plants located in Michigan USA and Mexico, all locations worked together as a global team to provide the world-class excellence in design, engineering, creative graphics and prototype services that our customers have come to rely on.

KPMF was at the forefront of the development of vehicle wrapping films initially for the German taxi market, where directives stated that all taxis had to be a light beige colour. K88823 Taxi Beige was born and is still included in the VWS I range of products. The Vehicle Wrap portfolio has grown extensively to include an innovative selection of cast products including pearlescent, starlight and iridescent vehicle wraps, protective overlamine vinyl films, and a bespoke colour matching service to satisfy the constantly developing vehicle wrapping market.

Kay Automotive Graphics was acquired by ORAFOL in September 2019. The sale also included KAG's sister companies Kay Graficas Automotrices in Mexico and the Kay Premium Marking Films manufacturing plants in the US and UK.

Dr. Holger Loclair, Managing Director of ORAFOL Europe GmbH welcomed the KAG companies into the ORAFOL Group saying, "The successful blending of production capacities and market expertise will result in increased efficiencies and know-how in the solid-colour wrap market and enhance ORAFOL's presence in the OEM automotive market."

Kay Automotive Graphics and their KPMF subsidiaries continue to operate under their respective names as wholly owned subsidiaries of ORAFOL International Inc.

KPMF continue to distribute products through our worldwide network of distributors, offering a comprehensive and diverse portfolio of materials perfect for signage, vehicle wrapping, graphics, automotive and functional applications.

Whatever the application KPMF can provide the solution; and with access to extensive laboratory facilities, we pride ourselves on our ability to develop niche products for our customers and a comprehensive technical service incorporating product testing, and performance validation.

Quality Certificates



Freight, Conversion & Other Charges

Freight Charges - Standard Road Freight	Metro	Regional Tier 1	Regional Tier 2	Intrastate
Standard stock items - GI, RS, ATS - Roll Sizes	Capital Cities	Standard Regional	Remote Regional	State to State
All Orders under \$400	\$19.50	\$25.60	\$28.70	\$28.70
ORAFOL Truck Deliveries - Victoria Metro Only	\$25	N/A	N/A	N/A
ORAFOL Mining Product Orders over \$400, excluding Rigid substrates	Free	Free	\$17.60	\$25.60
Rigid Substrates - custom & standard sheet size - Palram, ACM, Fluteboard	\$39.50	\$182.50	Quote	Quote
Dangerous Goods Charge - additional per delivery	\$15.00	\$15.00	\$15.00	\$15.00
Non Standard Requests, Custom & Bulk requests. Includes Express Courier requests, Large quantities of Rigid Substrates. Note: Order Value levels based on nett value after discount excluding GST Multiple pallet orders & Air Freight requests.	Quote	Quote	Quote	Quote

Slitting Charges	Up to 5 cuts	5 Slits and Over
Standard - GI Products & Selected RS Products	\$20.00	Quote
Charge Type	flat rate	as above

Slitting Charges	1 Cut	2 or more cuts
Application Tape - Paper & Film	1 Cut Free	\$10
Charge Type	flat rate	as above

Rigid Sheets & Substrates Custom Cut Charge	Up to 30 cuts	31+ cuts
Vorteil Products - Selected Rigid Substrates	\$30.00	Quote
Charge Type	flat rate	Quote

Other Charges	Amount
Restocking Charge - Change of mind or ordered incorrectly Return freight to be paid for by customer, excludes custom cut or slit products	25% of invoice value



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Find out more about our products at: www.orafol.com | www.orafol.com.au

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