

K87500 Series Pure Gloss Vehicle Wrap

Product Description

These High 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.

The products are suitable for long term applications in outdoor and indoor environments, they offer excellent cutting and weeding properties and have an acrylic adhesive system that gives superb adhesion to a variety of substrates.

Supplied with a PET carrier in place that protects the surface of the product whilst it is in roll form ensuring the highest gloss level prior to installation.

NB: Due to the nature of the clear coat, it is unlikely that any printing inks will adhere to its surface.

Recommended Uses

- Total Vehicle Cover
- Vehicle graphics
- Sign and decal applications

Products Available

- K87511 – Pure Gloss White
- K87515 – Pure Gloss Grey (95 micron)
- K87516 – Pure Gloss Dark Grey
- K87518 – Pure Gloss Medium Grey
- K87519 – Pure Gloss Dark Red
- K87521 – Pure Gloss Black
- K87561 – Pure Gloss Dark Blue
- K87591 – Pure Gloss Silver

Face Film

95µm or 115µm clear-coated PVC

Adhesive

25g/m² clear permanent solvent-based acrylic

Release Liner

Structured polyester

Widths

1524mm

Durability

7 years outdoors
(vertical exposure, mid-Europe)

Shelf Life

2 years
(out of direct sunlight, between 15°C and 23°C, 30% to 70% relative humidity)

Physical Characteristics

	Test Method	Typical Value
Film Thickness	ISO 4591:1992	95µm & 115µm
Elongation	ISO 527-3:2018	>150%
Dimensional Stability (48 hours/70°C)	FTM14/Aluminium	
Gloss 60°	ASTM D523-14 (2018)	>90
20 minute 180° Peel	FTM1/Stainless Steel	>440
24 hour 180° Peel	FTM1/Stainless Steel	>520
Flammability		Self-extinguishing

Artificial Weathering	Xenon Arc	>3000 hours
Outdoor Weathering	Vertical Exposure/Mid Europe	>7 years
	Florida/Arizona	>2 years

Temperature Range

Application Temperature	Minimum +18°C
Service Temperature	-40°C to +90°C

Resistance to various liquids after application and conditioned for 24 hours at 23°C. Results examined 1 hour after test

Humidity	24 hours at 38°C and 100%	No effect
Water (Distilled)	24 hours at 32°C	No effect
Diesel Fuel	1 hour at 23°C	No effect
SAE Motor Oil	24 hours at 23°C	No effect
Antifreeze/Water (1:1)	24 hours at 23°C	No effect

Product Usage Guide

Specific techniques must be used when applying Pure Gloss Vehicle Wrap, specialised advice can be provided if required. It is the responsibility of the applicator to ensure that the paint system is suitable for the application of Pure Gloss Vehicle Wrap vinyl and that it is in a fit condition for the application and removal of self-adhesive vinyl. A separate VWS application guide is available upon request. Kay Premium Marking Films do not accept any liability for paint failures incurred during the application or removal of Pure Gloss Vehicle Wrap vinyl. It is not recommended to use graphic decals (unless it is a permanent application) over the top of this product as it will leave a visual impression on the surface of the product.

KPMF films should not be applied to unsound surfaces or to surfaces which may subsequently crack, peel, outgas or are of low surface energy. It is recommended that any application surface should have an energy level in excess of 40 dyne/cm. (Polyolefins should be in excess of 45 dyne/cm).

Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids etc. may eventually cause deterioration. Actual performance will depend on substrate preparation, exposure conditions and application of marking.

Although we have good control of the colour production of KPMF products at our multiple locations, as with all other manufacturer's products, customers should be aware that there may be subtle variances between samples, swatches and production materials, so therefore it is advisable to avoid using different batches of material for the same end application to avoid possible colour shifts between the batches.

For best results application should be performed in a clean dry workshop at an ambient temperature of 18°C - 24°C

Product Warranty

Kay Premium Marking Films are produced under stringent manufacturing conditions. The information and typical values shown are based upon research believed to be reliable and are provided without guarantee and do not constitute a warranty. The values are not for use in specifications. Ink and paint systems can affect the performance of film and also the adhesive properties, as can application techniques. Users are advised to ensure that performance and reliability are not compromised by determining the suitability of each product prior to its intended use.

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 excellent long term removability up to 3 years, using appropriate techniques (see application guide), with minimal residual adhesive which can be removed easily with commercial removal products. 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.

The data included on the Data sheet shows typical properties and should not be taken as a guarantee for performance.