

## K88025 High Gloss Black Paint Replacement Film

### Product Description

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 material 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.

This is a superior quality, soft hybrid PVC film formulated using the latest advances in chemical and pigment technology that offers exceptional dimensional stability and excellent long term durability. It is suitable for long term applications in outdoor and indoor environments and the 120 micron thickness offers excellent cutting and weeding properties.

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

- Vehicle roof wraps (to achieve a high gloss panoramic roof appearance)
- Vehicle graphics
- Signs
- Decals

### Products Available

- K88025 Black High Gloss Paint Replacement Film

### Face Film

120µm Clear-coated PVC

### Adhesive

25g/m<sup>2</sup> clear permanent solvent-based acrylic

### Release Liner

75µm clear polyester/Structured Polyester Liner

### Widths

1220mm (75µm clear Polyester) & 1524mm

### Durability

Up to 10 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	120µm
Elongation	ISO 527-3:2018	>75%
Dimensional Stability (48 hours/70°C)	FTM14/Aluminium	<0.5 mm
Gloss 60°	ASTM D523-14 (2018)	>90
20 minute 180° Peel	FTM1/Stainless Steel	>600 N/m
24 hour 180° Peel	FTM1/Stainless Steel	>750 N/m
Flammability		Self-extinguishing

Artificial Weathering	Xenon Arc	>1000 hours
<b>Outdoor Weathering</b>	Vertical Exposure/Mid Europe	10 years
	Horizontal Exposure/Florida	5 years
<b>Temperature Range</b>		
Application Temperature		Minimum +10°C
Service Temperature		-40°C to +90°C
<b>Resistance to various liquids after application and conditioned for 24 hours at 23°C. Results examined 1 hour after test.</b>		
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 VWS K88025 High Gloss Black, 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 VWS K88025 High Gloss Black 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 VWS K88025 High Gloss Black vinyl. It is not recommended to use graphic decals over the top of this product (unless it is a permanent application) 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.

Application temperature onto clean, dry surface Min +10°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 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.*

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