



Product Description

K88025 High Gloss Black Paint Replacement Film was developed primarily for vehicle roof applications producing a high gloss panoramic roof appearance; it 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 120µm thickness offers excellent cutting and weeding properties. The product is supplied with a PET carrier in place to protect the surface 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.

Features

- Exceptional high-gloss finish
- Excellent outdoor durability
- Suitable for indoor and outdoor use
- Excellent cutting and weeding properties

Recommended Uses

- Vehicle roof wraps (to achieve a high-gloss panoramic roof appearance); vehicle graphics; sign and decal applications

Face Film

120µm Clear-coated PVC

Adhesive

25g/m² clear permanent solvent-based acrylic

Release Liner

Smooth or structured PET

Widths

1220mm & 1524mm

Durability

Up to 10 years (vertical exposure, mid Europe)

Shelf Life

2 years

Products Available

- Please refer to our website or swatches to see the full range.

Physical Characteristics

Properties	Test Method	Typical Value
Film Thickness	ISO 4591:1992	120µm
Elongation	ISO 527-3:2018	>75%
Dimensional Stability (48 hours/70°C)	FTM14/Aluminium	<0.5mm
Gloss 60°	ASTM D523-14 (2018)	>90
20 minute 180° Peel	FTM1/Stainless Steel	>600N/m
24 hour 180° Peel	FTM1/Stainless Steel	>750N/m
Flammability	-	Self-extinguishing
Artificial Weathering	Xenon Arc	>1000 hours
Outdoor Weathering		
Vertical Exposure – Mid Europe	-	10 years
Horizontal Exposure – Florida	-	5 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 K88025 – 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 K88025 and that it is in 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 K88025. It is not recommended to use graphic decals (unless it is a permanent application) over the top of this product as this will leave a visual impression in the high-gloss surface.
- 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 18-24°C.
- Shelf life is 2 years when stored out of direct sunlight, at a temperature of 15-23°C and a relative humidity of 30-70%.

Product Warranty

Kay Premium Marking Films products 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 products 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's 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 3 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 substrate finishes, it is advisable to fully evaluate small areas particularly after printing prior to complete applications.

The data included on this datasheet shows typical properties and should not be taken as a guarantee for performance.

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