



**K81000 Series StepView (SV)**

This superior quality, calendered vinyl film has been specially developed for floor graphics applications. It has excellent dimensional durability, exceptional slip resistance and perfect print clarity. The material can be used over a variety of printed substrates produced by conventionally printed and digital methods. It is particularly suitable for use with K50011 and K51011 products.

The film is available as:

K81001 Textured Clear 300 micron

CHARACTERISTIC	TEST METHOD	TYPICAL VALUE
Film Thickness	ISO 4591:1992	0.300mm
Adhesive Thickness	ISO 4591:1992	0.030mm
Adhesive Type		Clear Permanent Cross-Linking Acrylic
Release Liner		Layflat Kraft
Storage		Two years, out of direct sunlight at 23°C and 50% humidity
Tensile	ISO 527:1996	>18 N/mm <sup>2</sup>
Elongation	ISO 527:1996	>75%
Adhesion 20 Mins/90°	FINAT FTM2/Stainless Steel	550 N/Metre
Adhesion 20 Mins/180°	FINAT FTM1/Stainless Steel	735 N/Metre
Adhesion 24 Hrs/180°	FINAT FTM1/Stainless Steel	835 N/Metre
Static Shear (25 x 25mm)	FINAT FTM8/Stainless Steel	>16 hours
Dimensional Stability (150 x 150mm/48 hours/70°C)	FTM14/Aluminium	<1.0mm
Gloss 60°	ASTM 523-89	N/A
Flammability		Self Extinguishing
Artificial Weathering	QUV	>500 hours
Weathering	Vertical Exposure/Mid Europe	>2 years
Rivet Testing	KPMF ST 22	N/A
Application Temperature	Clean, dry surface	+8°C to 25°C
Service Temperature		-40°C to +90°C
<b>Adhesion Properties to Various Substrates for 24 hours at 23°C/180° Peel</b>		
Aluminium - Untreated		1,220 N/Metre
Aluminium - Anodised		1,195 N/Metre
Stainless Steel		835 N/Metre
Chromed Steel		910 N/Metre
Polyurethane		565 N/Metre
Glass		835 N/Metre
Acrylic Sheet		835 N/Metre
ABS Sheet		765 N/Metre

**NOTE: -**

This material has undergone extensive wet and dry slip resistance evaluation by an independent laboratory to "Skid Resistance Test DSIR RRL"

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). The above data shows typical properties and should not be taken as a guarantee for performance. Purchasers should determine the suitability of each product prior to its intended use. Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids etc. may eventually cause deterioration. Durability is based on middle European exposure conditions. Actual performance will depend on substrate preparation, exposure conditions and application of marking.

**IMPORTANT**

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.

**WARRANTY**

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.