



### Grafiprint Laminates

# LAMFLOOR

Released 1<sup>st</sup> July 2004



### Description

Grafiprint FLOOR is a soft wear-resistant cadmium free monomeric calendered PVC film with a special antiskid coating, provided with a pressure-sensitive permanent acrylic adhesive. The adhesive is protected by a high-quality silicone paper. This seamless laminate has especially been created for protecting digital prints that need to be applied on the floor.

### Application

The Grafiprint floor graphics laminate, reference FLOOR, was especially designed for indoor prints that need to be applied on the floor.

### Composition

**Film** : 200 micron thick wear-resistant monomeric calendered vinyl film, provided with a special antiskid coating. The film shows an excellent resistance against chemical products, humidity and dirt

**Adhesive** : solvent-based pressure-sensitive permanent acrylic glue. This glue does not have an aggressive reaction on the printout

**Backing paper** : siliconised clay-coated paper of 120 gr/m<sup>2</sup>

### Product Specifications

Technical properties at a relative humidity of 50 ± 5 % and a temperature of 23 ± 2°C

	Test method	Result
1. <b>Thickness<sup>1</sup></b> Thickness film Thickness film + glue + backing paper	Din53370 Din53370	200 micron 350 micron
2. <b>Elongation at break<sup>2</sup></b> In production length direction In cross direction	Din 53455 Din 53455	> 100 % > 120 %
3. <b>Dimensional stability<sup>3</sup></b>	Finat 14	< 1.00 %
4. <b>Adhesion strength<sup>4</sup></b> After 20 minutes After 24 hours	Finat 1 Finat 1	20 N/25mm 26 N/25mm
5. <b>Quickstick<sup>5</sup></b>	Finat 9	-
6. <b>Outdoor life span<sup>6</sup></b>	-	not applicable
7. <b>Temperature range</b> At application At use	- -	+5°C to +40°C -20°C to +70°C
8. <b>Colour back print</b>	-	grey
9. <b>Flammability</b>	If applied on aluminium, glass, steel = self-extinguishing	

## Storage Instructions

All Grafiprint materials always need to be stored in their original packing and with the original protection flanges (and preferably stored vertically).

In order to avoid any loss of quality, the Grafiprint laminate should also be stored in suitable conditions, that is at a temperature between 10 and 20°C, and a relative humidity of 50%.

### **Important**

The information, mentioned in this product data sheet, is based upon tests that were executed by Grafityp, and that we consider to be reliable. The information always represents an average, a minimum or a maximum value, and should be considered as such. It is only given for your information, and does not give any guarantee. It is up to the end user to decide whether or not the product is suited for his particular application.

- 1) The thickness of the Grafiprint materials may vary slightly. The indicated value is an average value, obtained from a series of measurements, in which a tolerance of 10 % is acceptable.
- 2) The elongation at break of the Grafiprint materials may vary slightly. The indicated value is a minimum value, obtained from a series of measurements.
- 3) The dimensional stability is the shrinkage in %. This value is measured by applying the film on aluminium, and placing it in a hot-air oven at 70°C for 48 hours. The indicated value is a maximum value, obtained from a series of measurements.
- 4) The adhesion strength is measured on glass, and this after 20 minutes and after 24 hours. The film is removed again in an angle of 180° and at a speed of 300 mm/sec. The indicated value is an average value, obtained from a series of measurements.
- 5) The "Quickstick" is the direct adhesion strength, measured on glass. The indicated value is an average value, obtained from a series of measurements.
- 6) The outdoor life span refers to outdoor use under Central European conditions, and only refers to the film itself and its adhesive backing. However, this does not give any guarantee for the life of a printout, as this depends on too many other factors, such as the inks that are used. The life span of our films is based upon professional application on a dry, degreased and suitable background. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.