

## PRODUCT DATA SHEET

# GRAFIPRINT PRINT MEDIA FOR LARGE FORMAT PRINTING

## STREETPRINT OUTDOOR REFERENCE STREETPR

RELEASE 20.05.2021 – PROVISIONAL SPECIFICATIONS



### DESCRIPTION

Grafiprint STREETPRINT is a polymeric calendered white glossy print film with high tack adhesive, specially for use on solvent printers (eco/mild/hard), latex printers and UV printers.

### COMPOSITION

#### FILM

75µm polymeric calendered white glossy film.

#### ADHESIVE

Transparent solvent based pressure-sensitive permanent high tack acrylic adhesive.

#### RELEASE LINER

Clay-coated paper of 135 g/m<sup>2</sup>

### APPLICATION

Grafiprint STREETPRINT comes with a special high tack adhesive layer, which has been developed especially for outdoor applications on rough surfaces (concrete, sidewalks, parking lots,...). Application on a dry and clean surface, free of loose particles.

Grafiprint STREETPRINT is meant for short-term outdoor use (up to 6 months).

## → INDOOR/OUTDOOR USE

### PRODUCT ADVANTAGES

Perfectly suited for all areas with a lot of pedestrian traffic

### CORRESPONDING LAMINATES

In case of outdoor use, Grafiprint STREETPRINT is preferably laminated with the Grafiprint STREETFLOOR laminate (R12).

### PRODUCT SPECIFICATIONS

Technical properties

#### RELATIVE HUMIDITY

50 ± 5%

#### TEMPERATURE

23 ± 2°C

1	Thickness vinyl (1) Thickness vinyl + adhesive + release liner	(1) Average
2	Elongation at break (production length) (2) Elongation at break (cross)	(2) Minimum
3	Dimensional stability (3)	(3) Maximum
4	Adhesion strength after 20 minutes (4) Adhesion strength after 24 hours	(4) Average
5	Quickstick (5)	(5) Average
6	Max. outdoor life span (unprinted) (6)	(6) Central-European conditions
7	Temperature range during application Temperature range at use	
8	Colour back print	
9	Flammability If applied on aluminium, glass, steel = self-extinguishing	

TEST METHOD	RESULT
Din53370	75µm 270µm
Din53455	> 150% > 150%
Finat 14	< 1mm
Finat 1	12 N/25mm 16 N/25mm
Finat 9	10 N
-	6 months (horizontal)
-	+5°C up to +40°C -15°C up to +90°C
-	Grey

# GRAFIPRINT PRINT MEDIA FOR LARGE FORMAT PRINTING

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### STORAGE INSTRUCTIONS

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

In order to avoid any loss of quality, the Grafiprint print film should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions Grafiprint materials can be stored for a period of two years.

### TEMPERATURE SETTINGS

#### **Recommended on (eco)solvent printers:**

If the Grafiprint media are used on an (eco) solvent printer, the temperature settings of the printer are extremely important. Depending on the ambient conditions, the amount of ink and the requested print quality, we advise a pre-heater temperature between 35°C and 45°C on these printers. This temperature can be raised, on condition that the Grafiprint material stays completely flat. A too high temperature can lead to an inferior print quality and to colour differences, because the material will become soft, as a result of which it might get damaged by the transport wheels of the printer, and because the material will undulate, as a result of which it could touch the print head. The same goes for the use of an after-heater (dryer). We advise an after-heater temperature that is about 5°C to 10°C higher than the pre-heater temperature. But again, the material should not undulate as a result of a too high temperature setting. In general, we can say the temperature of both heaters should be set as high as possible, without the material showing any form of undulation.

#### **Recommended on latex printers:**

HP latex inks : drying 55°C, curing 90-110°C

Mimaki latex inks : pre-heater 50°C, print 50°C, curing 50°C

### RECOMMENDED DRYING TIMES

It is extremely important that prints, made on an (eco) solvent printer, are left to dry sufficiently before they are laminated and/or applied. A good ventilation during the drying process is of utmost importance. For standard prints you need to take into account a drying time of 24 to 48 hours. For very dark prints or very high ink loads on the material, a drying time of 48 to 72 hours is required.

### INK AMOUNT

Large amounts of solvent ink on the material can activate the ink on the backside of the release liner. If the material is enrolled too quickly after printing, the print on the backside of the release liner may become visible in your printout.

### DRYING TIME INKS

Especially when using solvent inks, it is important that the inks can dry sufficiently long. The solvents in these inks attack the adhesive layer, causing the adhesive strength to decrease. Good ventilation after printing is crucial. When the solvents have been completely "gassed out" ( $\pm$  48 hours), the adhesive strength will automatically recover.

### APPLICATION

When applying to a rough surface, heat the film thoroughly with a heat gun and then press firmly to avoid loosening. In addition, we recommend that you always round off the corners slightly.

### 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 given only 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.

The expected outdoor life span refers to outdoor use under Central European conditions and to vertical applications, and only applies to the used film and adhesive. This does not give any guarantee for the life span of a print, as it depends on too many factors, such as the inks. Non-vertical application can reduce the life span up to 50%. The expected 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.

As the quality of your print does not only depend on the Grafiprint medium, but also on various other factors (such as the printer, the inks, the print software, the ICC profile, the ambient temperature, the air humidity, etc...), Grafityp cannot guarantee or be held responsible for the eventual print result. Subject to modifications.