

GRAFIPRINT PRINT MEDIA FOR LARGE FORMAT PRINTING

REFERENCE FLOORPR

RELEASE 01.09.2020



DESCRIPTION

Grafiprint FLOORPR is a monomeric calendered white print film with removable/semi-permanent adhesive, specially for use on solvent printers (eco/mild/hard), latex printers and UV printers.

COMPOSITION

FILM

230µm monomeric calendered white film with a special antiskid structure.

ADHESIVE

Removable/semi-permanent pressure-sensitive dispersion-based acrylic adhesive.

RELEASE LINER

Clay-coated paper of 120 g/m²

APPLICATION

Grafiprint FLOORPR was especially designed for creating prints that need to be applied on the floor. It comes with a special antiskid layer to limit the slip risk. Tests in accordance with British Standard 7976 indicate a low slip risk in dry conditions. Grafiprint FLOORPR is meant for indoor use.

→ INDOOR USE

PRODUCT ADVANTAGES

Good antiskid characteristics.

CORRESPONDING LAMINATES

Grafiprint FLOORPR is preferably not laminated.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

- Thickness vinyl (1)**
Thickness vinyl + adhesive + release liner
- Elongation at break (production length) (2)**
Elongation at break (cross)
- Dimensional stability (3)**
- Adhesion strength after 20 minutes (4)**
Adhesion strength after 24 hours
- Quickstick (5)**
- Max. outdoor life span (unprinted) (6)**
- Temperature range during application**
Temperature range at use
- Colour back print**
- Flammability**
If applied on aluminium, glass, steel = self-extinguishing
- Slip risk**
R10 (tested in accordance with DIN 51130:210)

(1) Average

(2) Minimum

(3) Maximum

(4) Average

(5) Average

(6) Central-European conditions

TEST METHOD

RESULT

Din53370	230µm 380µm
Din53455	> 150% > 150%
Finat 14	< 1,00mm
Finat 1	5 N/25mm 7 N/25mm
Finat 9	5 N
-	n.a.
-	+10°C up to +35°C -15°C up to +60°C
-	Grey

GRAFIPRINT PRINT MEDIA FOR LARGE FORMAT PRINTING

REFERENCE FLOORPR

RELEASE 01.09.2020



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.

VINYL COLOUR

As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job. The number to be taken into consideration for this purpose consists of the first 5 numbers of the 7-digit batch number.

OUTDOOR USE

In case the material is used outdoors, the antiskid characteristics can not be guaranteed due to wet conditions (e.g. when it rains). Please also be careful with indoor floor graphics that are wet.

VERTICAL APPLICATION

Grafiprint FLOORPR can also be used for traditional vertical applications outdoors (not on the floor). In that case, the expected life span amounts to 1 to 2 years. When used indoors, the expected life span amounts to several years.

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.