

## PRODUCT DATA SHEET

# GRAFIPRINT PRINT MEDIA FOR LARGE FORMAT PRINTING

## REFERENCE GEF UV

RELEASE 01.09.2020



### DESCRIPTION

Grafiprint GEF UV is an ecological, pvc-free white matt GEF (Grafityp Ecology Film), which was developed to be used on UV-curable printers. The chlorine- and plasticizer free film comes with a water based semi-permanent adhesive.

### COMPOSITION

#### FILM

100µm white matt pvc-free GEF film.

#### ADHESIVE

Semi-permanent pressure-sensitive water-based acrylic adhesive.

#### RELEASE LINER

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

### APPLICATION

Grafiprint GEF UV is perfectly suited for all possible indoor applications and short- to middle-term outdoor applications on non-corrugated surfaces.

## → INDOOR/OUTDOOR USE

### PRODUCT ADVANTAGES

- Good print quality.
- The product is perfectly safe when used indoors and contributes to a clean and safe living environment.

### CORRESPONDING LAMINATES

Grafiprint GEF UV is preferably laminated with one of the following Grafiprint laminates:

- Grafiprint LAM121UV, LAM130UV or LAM171UV

### PRODUCT SPECIFICATIONS

Technical properties

#### RELATIVE HUMIDITY

50 ± 5%

#### TEMPERATURE

23 ± 2°C

- 1 Thickness film (1)  
Thickness film + adhesive + release liner
- 2 Weight film  
Weight film + adhesive + release liner
- 3 Dimensional stability (2)
- 4 Gloss (maximum – meas. angle 60°)
- 5 Adhesion strength after 20 minutes (3)  
Adhesion strength after 24 hours
- 6 Quickstick (4)
- 7 Max. outdoor life span (unprinted) (5)
- 8 Temperature range during application  
Temperature range at use
- 9 Flammability  
If applied on aluminium, glass, steel = self-extinguishing
- 10 Fire rating  
CLASS 1 (UK – BS 476-7)

(1) Average

(2) Maximum

(3) Average

(4) Average

(5) Central-European conditions

#### TEST METHOD

#### RESULT

ISO 4593	100µm 260µm
-	100 g/m <sup>2</sup> 255 g/m <sup>2</sup>
Finat 14	< 0,2mm
ISO 2813	6 GU (gloss units)
Finat 1	3 N/25mm 5 N/25mm
Finat 9	5 N
-	2 years Laminated with a GEF laminate = 3 to 4 years
-	+10°C up to +35°C -5°C up to +80°C

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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.

### LAMINATING

A Grafiprint laminate, which is always necessary in case the print will be exposed to mechanical friction, can prolong the life span considerably, and can give the print a high-gloss or matt effect.

### 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.

### LATEX PRINTERS

The Grafiprint GEF UV film is not suited for use on latex printers.

### 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.