

PRODUCT DATA SHEET

GRAFITACK GEF SERIES MATT COLOURS

REFERENCES GEFM01 up to GEFM92

RELEASE 01.12.2020



DESCRIPTION

Grafitack PVC-free GEF series (matt) is a soft Grafityp Ecology Film without any chlorine or plasticizers.

APPLICATION

Grafitack GEF series has been developed for outdoor applications (4 to 5 years) on an even surface (advertising campaigns, seasonal offers, construction work signs,...). It can also be used for all kinds of indoor applications (sign making in shops or at trade shows, in warehouses,...).

COMPOSITION

FILM

70µm matt GEF (Grafityp Ecology Film).

ADHESIVE

Transparent semi-permanent pressure-sensitive dispersion-based acrylic adhesive with a high resistance against UV-radiation, chemical products and humidity. (GEFM01 with white adhesive).

RELEASE LINER

White siliconized craft paper of 120 g/m²

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

- Extremely flexible.
- Hardly any shrinkage.
- Free of chlorine and plasticizers.
- No chlorine gas released when incinerated.
- Can be used bubble-free on most polycarbonates and polystyrenes.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

- 1 Thickness film (1)**
Thickness film + adhesive + release liner
- 2 Elongation at break (production length) (2)**
Elongation at break (cross)
- 3 Dimensional stability (3)**
- 4 Adhesion strength after 20 minutes (4)**
Adhesion strength after 24 hours
- 5 Quickstick (5)**
- 6 Max. outdoor life span (6)**
Removability
- 7 Temperature range during application**
Temperature range at use
- 8 Flammability**
If applied on aluminium, glass, steel = self-extinguishing
- 9 Fire rating**
"B1" Din4102-1 (DE) and "CLASS 1" BS476-7 (UK)

(1) Average (2) Minimum (3) Maximum (4) Average (5) Average (6) Central-European conditions

TEST METHOD

RESULT

Din53370	70µm 215µm
Din53455	> 600% > 600%
Finat 14	< 0,25mm
Finat 1	4 N/25mm 7 N/25mm
Finat 9	3 N
-	4 to 5 years 2 years
-	+10°C up to +35°C -15°C up to +60°C

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STORAGE INSTRUCTIONS

All Graftack 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 Graftack materials should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions Graftack materials can be stored for a period up to two years.

BACKING PAPER

The backing paper of the GEF series is sensitive to water, and shall in no case be exposed to humidity. After getting in contact with water, the backing paper may tear or split. That is why we advise you to remove the backing paper completely if you wish to apply the GEF films wet.

WET APPLICATION

If the black GEF films are applied wet on glass, the adhesive may in some cases turn white. This phenomenon will disappear automatically as soon as the adhesive is completely dry.

IMPORTANT

The information mentioned in this product data sheet is based upon tests that were executed by Graftityp, 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. Non-vertical application can reduce the life span up to 50%. The expected outdoor 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.

For more information, see our warranty certificates.
Subject to modifications.

SURFACE CLEANING

In order to achieve an optimal result, we advise you to clean/degrease the surface with isopropanol and/or to use a low-tack application tape!

OVERLAPS

Overlaps on GEF (PVC on GEF and/or GEF on GEF) can lead to lower adhesive strength values.

MATTING EFFECT

After about one and a half to two years, the glossy GEF films can get a matting effect. By the end of the GEF film's life span, small cracks can appear in the polymeric layer, as a result of which the film can no longer be removed in one piece.

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.