

PRODUCT-BULLETIN

GRAFIPRINT PRGL & LAMGL



Released on 9th March 2012
PROVISIONAL BULLETIN

Description

Grafiprint films PRGL and LAMGL have been developed especially for creating a "glow in the dark" effect. The films contain phosphorous elements, which make the white surface of a sign or print glow up in the dark after the image has been exposed to light for a certain period of time.

Grafiprint PRGL is a monomeric calendered white satin PVC film, which is printable with the most common solvent printers.

Grafiprint LAMGL is a polymeric calendered PVC laminate, which can be used to protect a digital print, and which afterwards gives the print its special "glow in the dark" effect.

Both films are provided with a pressure-sensitive permanent solvent-based acrylic adhesive. The adhesive is protected by a high-quality silicone paper.

Characteristics

- ◆ Finish Grafiprint PRGL : white satin – Finish Grafiprint LAMGL : transparent glossy
- ◆ Very long glow time (PRGL up to 599 minutes, LAMGL up to 662 minutes)
- ◆ Grafiprint PRGL is only meant for indoor use. Grafiprint LAMGL has an expected outdoor life up to 1.5 years when used outdoors (vertical application, Central-European conditions)
- ◆ Simple cleaning
- ◆ Good chemical resistance

Application

Grafiprint films PRGL and LAMGL have been developed especially for letting white surfaces of a sign or print glow up in the dark after the image has been exposed to light for a certain period of time. The films are mainly used indoors for creating special effects and to make important messages visible in case of a sudden light failure.

→ *Other applications in consultation with Grafityp !*

Limitations

The limitations are mentioned for each product in the respective technical product data sheets, of which you can always find the most recent version on the Grafityp website (www.grafityp.com).

Warranty

Please refer to the General Grafiprint Warranty Certificate for all terms of warranty of the Grafiprint films. The most recent version of this certificate can be found on the Grafityp website (www.grafityp.com).

Mounting Instructions

Grafityp are happy to give you some directives for a professional and skilled application of the Grafiprint films :

- ◆ The Grafiprint "glow in the dark" films have been developed for use on even and slightly undulating surfaces only.
- ◆ In order to achieve a perfect result, we advise you to always clean the surface properly with isopropanol.
- ◆ During the application process of the Grafiprint "glow in the dark" films, you can get scratch marks on the material. This type of scratch marks on the material can be avoided by using a felt squeegee and/or by wearing gloves.
- ◆ Larger pieces of vinyl always need to be applied by professional, trained personnel.

Available References

Grafiprint "glow in the dark" films are available in the following versions :

Product reference	Description	Thickness film (DIN 53370)*	Thickness film+glue+paper (DIN 53370)*
PRGL	White satin print film	150 µm	335 µm
LAMGL	Transparent laminate	70 µm	215 µm

* The thickness of the Grafiprint "glow in the dark" films may vary slightly. The values mentioned are average values, obtained from a series of measurements.

Product Characteristics

For a detailed overview of the product specifications, we refer to the respective technical product data sheets, of which you can always find the most recent version on the Grafityp website (www.grafityp.com).

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 materials should also be stored in suitable conditions, that is at a temperature between 10 and 20°C, and at a relative humidity of 50 %.

Under these conditions, the Grafiprint materials can be stored for a period of up to two years.

Cleaning and Maintenance

- ◆ As the Grafiprint "glow in the dark" films are mainly meant for indoor use, they require only sporadic maintenance with a dust cloth or a slightly damp cloth. In case you wish to clean the print thoroughly, please comply with the following rules :
 - Don't use any aggressive or scouring cleaning agents.
 - Don't use any cleaning agents containing strong solvents or alcohol.
 - Use cleaning agents with a pH value between 3 and 11.

Removal

- ◆ Grafiprint "glow in the dark" films can be removed without any glue transfer by means of a heat gun, provided that the life span mentioned for the film has not completely expired yet.
- ◆ If the life span mentioned for the film has completely expired, the glue can be removed by means of isopropanol.
- ◆ If a film needs to be removed from an underlying printed film, it is possible that the underlying print gets damaged.

Remarks

- ◆ 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.

Important

The information, mentioned in this product bulletin, is based upon tests that were executed by Grafityp, and that we consider to be reliable. The information given 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 represent any guarantee. Grafityp cannot be held responsible for any damage, either direct or indirect, resulting from the use of the film. It is up to the end user to decide whether or not the product is suited for his particular application.

Technical Service

Please contact our technical department for answers to your technical questions with regard to the Grafiprint "glow in the dark" films :

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