

## PRODUCT-BULLETIN

# GRAFITACK PC01, PC55 and PC80



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**PROVISIONAL BULLETIN**

### Description

Grafitack Calendered Carbon series (references PC01-Carbon White, PC55-Carbon Silver and PC80-Carbon Black) is a soft, structured, cadmium-free, polymeric calendered PVC-film with a carbon-effect. This film, with a thickness of 150 µm, is provided with a pressure-sensitive permanent acrylic adhesive. This adhesive is protected by a high-quality silicone paper.

### Characteristics

- ◆ Finish : structured.
- ◆ High opacity.
- ◆ Very good resistance against weather influences, with an outdoor life expectancy up to 5 years.
- ◆ With an adjusted knife pressure, the film can be cut smoothly on all standard cutting plotters
- ◆ High adhesive strength
- ◆ Simple cleaning
- ◆ Good chemical resistance

### Application

The Grafitack calendered carbon films have been developed especially as a less expensive alternative for cast carbon films. They can be used for panels and slightly bent smooth surfaces.

→ *Other applications in close consultation with Grafityp !*

### Limitations

The limitations are mentioned in the respective technical data sheet, of which you can find the most recent version on the Grafityp website. ([www.grafityp.com](http://www.grafityp.com))

### Warranty

Please consult the general Grafitack & Graficast Warranty Certificate for detailed warranty declarations of the Grafitack calendered carbon films. The most recent version of this warranty certificate will be available on the Grafityp website ([www.grafityp.com](http://www.grafityp.com)).

### Mounting Instructions

Grafityp provide trainings, enabling the customer to mount the Grafityp films in a professional and skilled way.

Detailed directives and tips can also be found in the GrafManual and on [www.grafityp.com](http://www.grafityp.com).

### Available References

Grafitack calendered carbon films are available in the following colours :

Product reference	Description	Thickness film (DIN 53370)*	Thickness film+glue+paper (DIN 53370)*
PC01	Carbon white	150 µm	380 µm
PC55	Carbon silver	150 µm	380 µm
PC80	Carbon black	150 µm	380 µm

## Product Characteristics

A detailed overview of the product characteristics can be found on the respective technical data sheet, of which you can always find the most recent version on the Grafityp website ([www.grafityp.com](http://www.grafityp.com)).

## Storage Instructions

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

Under these conditions the Grafitack materials materials can be stored up to two years.

## Cleaning and Maintenance

- ◆ Once the film has reached its optimal adhesive strength, the surface can be cleaned under normal conditions. Please take the following guidelines into consideration :
  - Don't use any scouring cleaning agents.
  - Don't use any cleaning agents that contain strong solvents or alcohol.
  - Don't use cleaning agents with a pH value between 3 and 11.
  - Brushes of a car wash can leave behind scratches on the vinyl.
- ◆ Dirt that is hard to remove, such as dead insects, resin, etc..., needs to be removed immediately. The best result is achieved with warm water and a soapy solution. Don't use any aggressive or scouring cleaning agents.

More detailed information can be found in the GrafiManual.

## Removal

- ◆ Grafityp calendered carbon films can be removed without leaving behind any glue by using a heat gun, on condition that the life span mentioned has not expired yet.
- ◆ If the life span of the film has expired, the adhesive can be removed with isopropanol.
- ◆ If the film is removed from an underlying film, it is possible that the underlying film gets damaged.

More detailed information can be found in the GrafiManual.

## Remarks

- ◆ The colour of the Grafitack calendered carbon films may give off slightly because of over-pigmentation, but as the film has been coloured in the mass, this will have no influence on the UV-resistance and the eventual colour of the film.
- ◆ 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.
- ◆ Grafitack calendered carbon films are also suited for printed applications. In order to maintain the structure of these carbon films, the print should not be laminated. Please bear in mind that the warranty period will be considerably less for outdoor applications, as the ink will not be protected against scratches, UV-radiation, etc...

## 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 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 give 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 user to decide whether or not the product is suited for his particular application.

## Technical Service

If you have any technical questions with regard to the Grafitack films you can always contact our technical department :

Mr. Richard van Ochten  
Centrum-Zuid 1539  
3530 Houthalen (Belgium)  
Tel. : +32-(0)11-600850  
e-mail : [tech.sup@grafityp.com](mailto:tech.sup@grafityp.com)  
website : [www.grafityp.com](http://www.grafityp.com)