

## PRODUCT DATA SHEET



## GRAFIGAST DECO FILMS

## REFERENCE D03 - GALACTICA

Released on 3rd December 2010  
**PROVISIONAL SPECIFICATIONS**



## Description

The Graficast Deco films, reference D03 – Galactica (available in black (D0302) and silver (D0355)), are soft structured cadmium-free glossy PVC films with a decorative effect. The films are provided with a pressure-sensitive permanent acrylic adhesive. This adhesive is protected by a high-quality silicone paper.

## Composition

- Film : structured multi-layered cast PVC film with a decorative effect, with a weight of 130 gr/m<sup>2</sup>  
 Adhesive : transparent permanent pressure-sensitive solvent-based acrylic adhesive, with a high resistance against UV-radiation, chemical products and humidity.  
 Backing paper : siliconised white PE-coated paper of 130 gr/m<sup>2</sup>

## Application

The Graficast Deco films were developed for indoor- and outdoor applications. As the films are extremely soft and flexible, they can also be used over corrugations or rivets with ease.

## Product advantages

- Extremely flexible – suited for all difficult applications, such as car wrapping
- Extremely decorative – suited for all creative designs

## Product specifications

Technical properties at a relative humidity of 50 ± 5 % and a temperature of 23 ± 2°C.

		Test method	Result
1.	<b>Weight<sup>1</sup></b> Weight vinyl Weight vinyl + glue + backing paper	-	130 gr/m <sup>2</sup> 300 gr/m <sup>2</sup>
2.	<b>Elongation at break<sup>2</sup></b> In production-length direction In cross direction	Din53455 Din53455	> 100 % > 100 %
3.	<b>Dimensional stability<sup>3</sup></b>	Finat 14	< 0.20 %
4.	<b>Degree of gloss</b> Minimum (measuring angle 20°)	Din67530	not measurable because of the structure of the material
5.	<b>Adhesion strength<sup>4</sup></b> After 20 minutes After 24 hours	Finat 1 Finat 1	18 N/25mm 20 N/25mm
6.	<b>Quickstick<sup>5</sup></b>	Finat 9	10 N
7.	<b>Expected outdoor life span<sup>6</sup></b>	-	Tests in progress Expectation = 5 years
8.	<b>Temperature range</b> At application At use	- -	+5°C to +40°C -45°C to +115°C
9.	<b>Colour back print</b>	-	neutral
10.	<b>Flammability</b> If applied on aluminium, glass, steel = self-extinguishing		

## Storage instructions

All Graficast 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 Graficast 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 Graficast Carbon materials can be stored up to one year.

## Remarks

- In order to achieve an optimal result, we advise you to clean the surface with isopropanol and/or to use a low-tack application tape !
- The colour of the Graficast vinyls may come off slightly because of over-pigmentation, but as the film is coloured in the mass, this will have no influence on the UV-resistance and the eventual colour of the vinyl.
- 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.

## 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 only given 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.

**1)** The weight of the Grafitack materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.

**2)** The elongation at break of the Grafitack materials may vary slightly. The indicated value is a minimum value, obtained from a series of measurements.

**3)** The dimensional stability is the shrinkage of the unprinted material in %. This value is measured by applying the film on aluminium, and placing it in a hot-air oven at 70°C for 48 hours (= Finat 14 Method, adjusted according to our own internally developed procedure). The indicated value is a maximum value, obtained from a series of measurements.

**4)** The adhesion strength is measured on glass, and this after 20 minutes and after 24 hours. The film is removed again in an angle of 180° and at a speed of 300 mm/min. The indicated value is an average value, obtained from a series of measurements.

**5)** The "Quickstick" is the direct adhesion strength, measured on glass. The indicated value is an average value, obtained from a series of measurements.

**6)** The expected outdoor life span refers to outdoor use under Central European conditions and to vertical applications. 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. The life span can also differ, depending on the colour (due to the pigmentation).