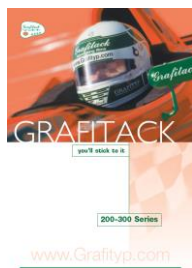


## PRODUCT DATA SHEET



# GRAFITACK 200/300 Plus SERIES GLOSSY COLOURS

**REFERENCES 210 to 268 and 328 to 339  
(exc. for 217, 218, 225, 226, 334, 335 & 336)**

Released on the 16<sup>th</sup> of September 2015



### Description

The Grafitack 200/300 series is a soft cadmium-free polymeric calendered PVC film, provided with a pressure-sensitive permanent acrylic adhesive. This adhesive is protected by a high-quality silicone paper. A good recognizability is guaranteed by the red print on the material's backing paper.

### Composition

- Film : 75 micron thick polymeric calendered PVC film
- Adhesive : permanent pressure-sensitive solvent-based acrylic adhesive, with a high resistance against UV-radiation, chemical products and humidity.
- Backing paper : siliconised white clay-coated paper of 120 gr/m<sup>2</sup>  
Reference 210 comes with a coloured silicone layer on the release liner, to make peeling easier

### Application

The Grafitack 200/300 series was developed for all outdoor applications of up to 7 years when applied on a flat, unribbed background, such as sign making on cars, boats and trucks, for decorations of shop windows and advertisement boards. It is also perfect for everyday advertising indoors and outdoors.

### Product advantages

A wide range of sparkling colours guarantees a magnificent end result every time again.

### Product specifications

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

		Test method	Result
<b>1.</b>	<b>Thickness<sup>1</sup></b> Thickness vinyl Thickness vinyl + glue + backing paper	Din53370 Din53370	75 micron 240 micron
<b>2.</b>	<b>Elongation at break<sup>2</sup></b> In production-length direction In cross direction	Din53455 Din53455	> 120 % > 140 %
<b>3.</b>	<b>Dimensional stability<sup>3</sup></b>	Finat 14	< 0.40 mm
<b>4.</b>	<b>Degree of gloss</b> Minimum (measuring angle 80°)	Din67530	50 GU (gloss units)
<b>5.</b>	<b>Adhesion strength<sup>4</sup></b> After 20 minutes After 24 hours	Finat 1 Finat 1	13 N/25mm 16 N/25mm
<b>6.</b>	<b>Quickstick<sup>5</sup></b>	Finat 9	9 N
<b>7.</b>	<b>Expected outdoor life span<sup>6</sup></b>	-	Adhesion : 7 years Black/White : 7 years Colours : 5-7 years 266 : 3 years
<b>8.</b>	<b>Temperature range</b> At application At use	- -	+5°C to +40°C -25°C to +80°C
<b>9.</b>	<b>Colour back print</b>	-	red
<b>10.</b>	<b>Flammability</b> If applied on aluminium, glass, steel = self-extinguishing		

## 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 can be stored up to two years.

## 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 !

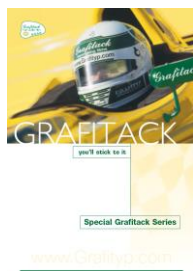
As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job. The number to be taken into consideration for this purpose consists of the first 5 numbers of the 7-digit batch number.

## 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 thickness 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 mm. This value is measured by applying the film on aluminium (10x10cm), 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. 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. The life span can also differ, depending on the colour (due to the pigmentation). Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.  
For more detailed information we also refer to our general "Grafiprint Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".

## PRODUCT DATA SHEET



# GRAFITACK 200/300 SERIES METALLIC COLOURS

## REFERENCES 225 & 226

Released on the 16<sup>th</sup> of September 2015



### Description

The Grafitack films with reference 225 and 226 are two metalised polyester films, provided with a pressure-sensitive permanent acrylic adhesive. This adhesive is protected by a high-quality silicone paper. A good recognizability is guaranteed by the red print on the material's backing paper.

### Composition

- Film : 50 micron thick metalised polyester film
- Adhesive : permanent pressure-sensitive solvent-based acrylic adhesive, with a high resistance against UV-radiation, chemical products and humidity.
- Backing paper : siliconised white clay-coated paper of 120 gr/m<sup>2</sup>

### Application

The Grafitack films with reference 225 and 226 enable you to create the most stunning gold and silver decorations for indoor use.

### Product advantages

Magnificent metall gloss.

### Product specifications

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

		Test method	Result
1.	<b>Thickness<sup>1</sup></b>		
	Thickness vinyl	Din53370	50 micron
	Thickness vinyl + glue + backing paper	Din53370	205 micron
2.	<b>Elongation at break<sup>2</sup></b>		
	In production-length direction	Din53455	155 %
	In cross direction	Din53455	155 %
3.	<b>Dimensional stability<sup>3</sup></b>	Finat 14	< 0.40 mm
4.	<b>Degree of gloss</b>		
	Minimum (measuring angle 20°)	Din67530	60 GU (gloss units)
5.	<b>Adhesion strength<sup>4</sup></b>		
	After 20 minutes	Finat 1	11 N/25mm
	After 24 hours	Finat 1	13 N/25mm
6.	<b>Quickstick<sup>5</sup></b>	Finat 9	11 N
7.	<b>Expected outdoor life span<sup>6</sup></b>	-	not applicable
8.	<b>Temperature range</b>		
	At application	-	+5°C to +40°C
	At use	-	-20°C to +150°C
9.	<b>Colour back print</b>	-	red
10.	<b>Flammability</b>		
	If applied on aluminium, glass, steel = self-extinguishing		

## Storage instructions

All Graftack 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 Graftack 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 Graftack metallic materials can be stored up to one year.

## Remarks

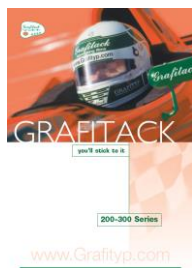
In order to achieve an optimal result, we advise you to clean the surface with isopropanol and/or to use a low-tack application tape !

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 thickness of the Graftack materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.
- 2)**  
The elongation at break of the Graftack 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 mm. This value is measured by applying the film on aluminium (10x10cm), 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. 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. The life span can also differ, depending on the colour (due to the pigmentation). Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.  
For more detailed information we also refer to our general "Grafiprint Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".



## GRAFITACK 200/300 Plus SERIES METALLIC COLOURS

REFERENCES 217, 218, 334, 335 & 336

Released on the 16<sup>th</sup> of September 2015



### Description

The Grafitack films with reference 217, 218, 334, 335 & 336 are soft cadmium-free polymeric calendered PVC films, provided with a pressure-sensitive permanent acrylic adhesive. This adhesive is protected by a high-quality silicone paper. A good recognizability is guaranteed by the red print on the material's backing paper.

### Composition

- Film : 75 micron thick polymeric calendered PVC film  
 Adhesive : permanent pressure-sensitive water-based acrylic adhesive, with a high resistance against UV-radiation, chemical products and humidity.  
 Backing paper : siliconised white clay-coated paper of 120 gr/m<sup>2</sup>

### Application

The Grafitack 200/300 series was developed for all outdoor applications of up to 3 years when applied on a flat, unribbed background, such as sign making on cars, boats and trucks, for decorations of shop windows and advertisement boards. It is also perfect for everyday advertising indoors and outdoors.

### Product advantages

A wide range of sparkling colours guarantees a magnificent end result every time again.

### Product specifications

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

		Test method	Result
1.	<b>Thickness<sup>1</sup></b> Thickness vinyl Thickness vinyl + glue + backing paper	Din53370 Din53370	75 micron 240 micron
2.	<b>Elongation at break<sup>2</sup></b> In production-length direction In cross direction	Din53455 Din53455	> 120 % > 140 %
3.	<b>Dimensional stability<sup>3</sup></b>	Finat 14	< 0.40 mm
4.	<b>Degree of gloss</b> Minimum (measuring angle 80°)	Din67530	50 GU (gloss units)
5.	<b>Adhesion strength<sup>4</sup></b> After 20 minutes After 24 hours	Finat 1 Finat 1	10 N/25mm 13 N/25mm
6.	<b>Quickstick<sup>5</sup></b>	Finat 9	9 N
7.	<b>Expected outdoor life span<sup>6</sup></b>	-	3 years
8.	<b>Temperature range</b> At application At use	- -	+5°C to +40°C -25°C to +80°C
9.	<b>Colour back print</b>	-	red
10.	<b>Flammability</b> If applied on aluminium, glass, steel = self-extinguishing		

## Storage instructions

All Graftack 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 Graftack 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 Graftack materials can be stored up to two years.

## 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 !

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.

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