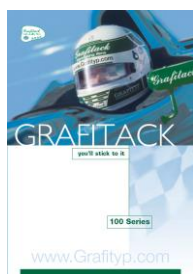


## PRODUCT DATA SHEET



# GRAFITACK 100 SERIES GLOSSY COLOURS

## REFERENCES 160 to 195

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



### Description

The Grafitack 100 series is a soft cadmium-free monomeric 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 blue print on the material's backing paper.

### Composition

- Film : 75 micron thick monomeric 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 kraft paper of 120 gr/m<sup>2</sup>  
 Reference 181 comes with a coloured silicone layer on the release liner, to make peeling easier

### Application

The Grafitack 100 series was developed for short and medium term outdoor applications (3 to 5 years) when applied on a flat background. Suitable for commercial use on shop windows, party decorations, seasonal offers, publicity panels, etc... The Grafitack 100 series can also be used for many kinds of indoor applications, such as sign making in shops, at trade shows, in warehouses, etc...

### Product advantages

The Grafitack 100 series offers excellent flexibility and it can be peeled perfectly.

### 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	75 micron
	Thickness vinyl + glue + backing paper	Din53370	240 micron
2.	<b>Elongation at break<sup>2</sup></b>		
	In production-length direction	Din53455	> 120 %
	In cross direction	Din53455	> 140 %
3.	<b>Dimensional stability<sup>3</sup></b>	Finat 14	< 1.00 mm
4.	<b>Degree of gloss</b>		
	Minimum (measuring angle 20°)	Din67530	50 GU (gloss units)
5.	<b>Adhesion strength<sup>4</sup></b>		
	After 20 minutes	Finat 1	14 N/25mm
	After 24 hours	Finat 1	18 N/25mm
6.	<b>Quickstick<sup>5</sup></b>	Finat 9	7 N
7.	<b>Expected outdoor life span<sup>6</sup></b>	-	Adhesion : 5 years Black/white : 5 years Colours : 3-5 years
8.	<b>Temperature range</b>		
	At application	-	+5°C to +40°C
	At use	-	-20°C to +70°C
9.	<b>Colour back print</b>	-	Blue
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 !

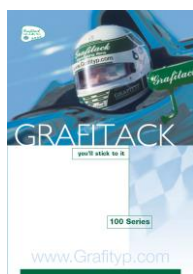
As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job. The number to be taken into consideration for this purpose consists of the first 5 numbers of the 7-digit batch number.

## 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".

## PRODUCT DATA SHEET



# GRAFITACK 100 SERIES MATT COLOURS

## REFERENCES 100 to 129

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



### Description

The Grafitack 100 series is a soft cadmium-free monomeric 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 blue print on the material's backing paper.

### Composition

- Film : 75 micron thick monomeric 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 kraft paper of 120 gr/m<sup>2</sup>  
 References 100 and 101 come with a coloured silicone layer on the release liner, to make peeling easier

### Application

The Grafitack 100 series was developed for short and medium term outdoor applications (3 to 5 years) when applied on a flat background. Suitable for commercial use on shop windows, party decorations, seasonal offers, publicity panels, etc... The Grafitack 100 series can also be used for many kinds of indoor applications, such as sign making in shops, at trade shows, in warehouses, etc...

### Product advantages

The Grafitack 100 series offers excellent flexibility and it can be peeled perfectly.

### 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	75 micron
	Thickness vinyl + glue + backing paper	Din53370	240 micron
2.	<b>Elongation at break<sup>2</sup></b>		
	In production-length direction	Din53455	> 120 %
	In cross direction	Din53455	> 140 %
3.	<b>Dimensional stability<sup>3</sup></b>	Finat 14	< 1.00 mm
4.	<b>Degree of gloss</b>		
	Minimum (measuring angle 85°)	Din67530	8 GU (gloss units)
	Maximum (measuring angle 85°)	Din67530	16 GU (gloss units)
5.	<b>Adhesion strength<sup>4</sup></b>		
	After 20 minutes	Finat 1	19 N/25mm
	After 24 hours	Finat 1	24 N/25mm
6.	<b>Quickstick<sup>5</sup></b>	Finat 9	7 N
7.	<b>Expected outdoor life span<sup>6</sup></b>	-	Adhesion : 5 years Black/white : 5 years Colours : 3-5 years
8.	<b>Temperature range</b>		
	At application	-	+5°C to +40°C
	At use	-	-20°C to +70°C
9.	<b>Colour back print</b>	-	blue
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 !

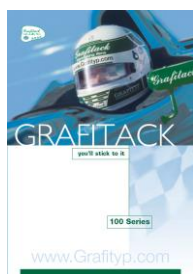
As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job. The number to be taken into consideration for this purpose consists of the first 5 numbers of the 7-digit batch number.

## 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".

## PRODUCT DATA SHEET



# GRAFITACK 100 SERIES TRANSPARENT GLOSSY

## REFERENCE 150

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



### Description

The Grafitack film with reference 150 is a soft cadmium-free monomeric 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 blue print on the material's backing paper.

### Composition

Film : 50 micron thick monomeric 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 kraft paper of 120 gr/m<sup>2</sup>

### Application

The Grafitack film with reference 150 was developed for short and medium term outdoor applications (3 to 5 years) when applied on a flat background. Suitable for commercial use on shop windows, party decorations, seasonal offers, publicity panels, etc... The Grafitack 100 series can also be used for many kinds of indoor applications, such as sign making in shops, at trade shows, in warehouses, etc...

### Product advantages

The Grafitack 100 series offers excellent flexibility and it can be peeled perfectly.

### 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	215 micron
2.	<b>Elongation at break<sup>2</sup></b>		
	In production-length direction	Din53455	> 120 %
	In cross direction	Din53455	> 140 %
3.	<b>Dimensional stability<sup>3</sup></b>	Finat 14	< 1.00 mm
4.	<b>Degree of gloss</b>		
	Minimum (measuring angle 20°)	Din67530	50 GU (gloss units)
5.	<b>Adhesion strength<sup>4</sup></b>		
	After 20 minutes	Finat 1	19 N/25mm
	After 24 hours	Finat 1	24 N/25mm
6.	<b>Quickstick<sup>5</sup></b>	Finat 9	7 N
7.	<b>Expected outdoor life span<sup>6</sup></b>	-	1 year
8.	<b>Temperature range</b>		
	At application	-	+5°C to +40°C
	At use	-	-20°C to +70°C
9.	<b>Colour back print</b>	-	blue
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.

## 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".