

## PRODUCT DATA SHEET

# GRAFITACK ETCHED GLASS FILMS

## REFERENCES TR111 to TR114

RELEASE 01.10.2020

**GRAFITYP**  
makes you stick

### DESCRIPTION

Grafitack etched glass films TR111 to TR114 are polymeric calendered PVC films with AIR ESCAPE adhesive technology.

### COMPOSITION

#### FILM

80µm polymeric calendered PVC film.

#### ADHESIVE

Permanent pressure-sensitive solvent-based acrylic adhesive with a high resistance against UV-radiation, chemical products and humidity.

#### RELEASE LINER

Structured siliconised PE paper of 165 g/m<sup>2</sup>, which gives the film an air escape effect.

### APPLICATION

Grafitack etched glass films TR111 to TR114 enable you to create the most stunning decorations on mirrors, glass doors, shop windows, etc... The films should be applied dry.

## → INDOOR/OUTDOOR USE

### PRODUCT ADVANTAGES

- Less expensive alternative to sandblasting.
- Thanks to the air escape adhesive technology, the film can easily be applied dry (wet application is not recommended).

### PRODUCT SPECIFICATIONS

Technical properties

#### RELATIVE HUMIDITY

50 ± 5%

#### TEMPERATURE

23 ± 2°C

1	<b>Thickness film (1)</b> Thickness film + adhesive + release liner
2	<b>Elongation at break (production length) (2)</b> Elongation at break (cross)
3	<b>Dimensional stability (3)</b>
4	<b>Gloss (Min/Max – measuring angle 85°)</b>
5	<b>Adhesion strength after 20 minutes (4)</b> Adhesion strength after 24 hours
6	<b>Quickstick (5)</b>
7	<b>Max. outdoor life span (6)</b>
8	<b>Temperature range during application</b> Temperature range at use
9	<b>Flammability</b> If applied on aluminium, glass, steel = self-extinguishing
10	<b>Fire rating</b> DIN EN 13501-1

(1) Average (2) Minimum (3) Maximum (4) Average (5) Average (6) Central-European conditions

### TEST METHOD

### RESULT

Din53370	80µm 295µm
Din53455	> 120% > 140%
Finat 14	< 0,40mm
Din67530	8-18 Gloss Units
Finat 1	15 N/25mm 18 N/25mm
Finat 9	14 N
-	TR110-TR113: 4-5 years TR114: 1 year
-	+10°C up to +40°C -25°C up to +80°C

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### STORAGE INSTRUCTIONS

All Grafitack materials always have to be stored in their original packing and with the original protection flanges (preferably vertically).

In order to avoid any loss of quality, the Grafitack materials should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions Grafitack materials can be stored for a period up to two years.

### REMOVAL

If you wish to remove the film, we advise you to use a heat gun. If any glue residues stay behind on the glass surface after taking off the film, you can simply remove them by moistening them with soap-water. Leave this to soak in for a couple of minutes, and then chip it off by means of a steel scraper (also used for removing paint stains).

### 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 given only 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.

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 outdoor 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.

For more information, see our warranty certificates.

Subject to modifications.

### SURFACE CLEANING

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

### VINYL COLOUR

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.

### SEVERAL STRIPS

If several strips of TR film are applied next to each other, they always have to be applied in the same direction.