

PRODUCT DATA SHEET

GRAFICAST ETCHED GLASS FILM

REFERENCE TR120

RELEASE 01.10.2020

GRAFITYP
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DESCRIPTION

Grafiplast etched glass film TR120 is a cast PVC film with a decorative structure (SILK ROAD). The film comes with permanent adhesive.

COMPOSITION

FILM

135µm structured multi-layered cast transparent PVC film with a decorative effect.

ADHESIVE

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

RELEASE LINER

Siliconised white kraft paper of 120 g/m².

APPLICATION

Grafiplast etched glass film TR120 enables you to create the most stunning decorations on mirrors, glass doors, shop windows, etc... The film is suited for wet application.

→ INDOOR/OUTDOOR USE

PRODUCT ADVANTAGES

- Less expensive alternative to sandblasting.
- Extremely flexible – suited for all difficult applications.
- Extremely decorative – suited for all creative designs.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY

50 ± 5%

TEMPERATURE

23 ± 2°C

	TEST METHOD	RESULT
1 Thickness film (1) Thickness film + adhesive + release liner	Din53370	135µm 265µm
2 Elongation at break (production length) (2) Elongation at break (cross)	Din53455	> 100% > 100%
3 Dimensional stability (3)	Finat 14	< 0,20mm
4 Gloss (Minimum – measuring angle 20°)	Din67530	Not measurable because of the structure of the material
5 Adhesion strength after 20 minutes (4) Adhesion strength after 24 hours	Finat 1	16 N/25mm 22 N/25mm
6 Quickstick (5)	Finat 9	16 N
7 Max. outdoor life span (6)	-	4-5 years
8 Temperature range during application Temperature range at use	-	+5°C up to +40°C -45°C up to +115°C
9 Flammability If applied on aluminium, glass, steel = self-extinguishing		

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

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STORAGE INSTRUCTIONS

All Graficast 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 Graficast 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 Graficast 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.