PRODUCT DATA SHEET

GRAFIPRINT LAMINATES

REFERENCE LAM121UV

RELEASE 12.11.2025

DESCRIPTION

Grafiprint LAM121UV is an ecological, pvc-free transparent matt GEF laminate with permanent adhesive. The laminate has been created for protecting digital prints that were made with UV-curable inks.

APPLICATION

Grafiprint LAM121UV is perfectly suited for all indoor applications and long-term outdoor applications (3.5 to 5 years) on non-corrugated surfaces.

→ **INDOOR/OUTDOOR USE**

COMPOSITION

FILM
80µm matt transparent pvc-free GEF film.
ADHESIVE
Transparent permanent pressure-sensitive dispersion-based acrylic adhesive with a high resistance against UV-radiation, chemical products and humidity.
RELEASE LINER
White clay-coated paper of 125 g/m²

PRODUCT ADVANTAGES

- Good protection indoors as well as outdoors.
- Nice matt effect.
- Anti-Graffiti properties

CORRESPONDING PRINT MEDIA

Grafiprint LAM121UV is recommended for the protection of all monomeric, polymeric or pvc-free Grafiprint print media that are printed with UV-curable inks.

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY
50 ± 5%

TEMPERATURE
23 ± 2°C

		TEST METHOD	RESULT
1	**Thickness vinyl (1)** **Thickness vinyl + adhesive + release liner**	Din53370	80µm 235µm
2	**Elongation at break (production length) (2)** **Elongation at break (cross)**	Din53455	> 300% > 300%
3	**Dimensional stability (3)**	Finat 14	< 0,10mm
4	**Adhesion strength after 20 minutes (4)** **Adhesion strength after 24 hours**	Finat 1	13 N/25mm 20 N/25mm
5	**Quickstick (5)**	Finat 9	12 N
6	**Max. outdoor life span (6)**	-	3.5 to 5 years
7	**Temperature range during application** **Temperature range at use**	-	+5°C up to +40°C -15°C up to +90°C
8	**Colour back print**	-	Grey
9	**Flammability** If applied on aluminium, glass, steel = self-extinguishing		
10	**Fire rating** **B-s1,d0 (DIN EN 13501-01)**		

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

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STORAGE INSTRUCTIONS

All Grafiprint 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 Grafiprint laminates should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions Grafiprint materials can be stored for a period up to two years.

COMPATIBILITY TESTS

Preceding compatibility tests are always advisable!

OVERLAPS

We cannot guarantee perfect adhesion if a PVC material is applied on top of the GEF laminate. However, the GEF laminate will adhere perfectly on PVC material.

TENSION

Due to the high elasticity of the Grafiprint GEF laminates, we advise you to use as little tension as possible when applying the material.

SOFT SQUEEGEE

In order to prevent scratches on the soft GEF laminate, we advise you to apply it with a soft squeegee or by machine.

SUBSTRATES

Due to the absence of plasticizers and due to their high flexibility, GEF laminates can be used not only on GEF print films, but also on monomeric and polymeric calendered films.

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 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 detailed information we also refer to our general “Grafiprint Warranty Certificate” and to our “General Terms and Conditions of Sale and Delivery”.
Subject to modifications.