

## PRODUCT DATA SHEET

# GRAFIPRINT LAMINATES

## REFERENCE LAMx45

RELEASE 01.12.2020

**GRAFITYP**  
makes you stick

### DESCRIPTION

Grafiprint LAMx45 is a polymeric cast transparent matt PVC laminate with permanent adhesive.

### COMPOSITION

#### FILM

40µm polymeric cast transparent matt PVC film.

#### ADHESIVE

Transparent permanent pressure-sensitive solvent-based acrylic adhesive.

#### RELEASE LINER

Siliconised clay-coated paper of 120 g/m<sup>2</sup>

### APPLICATION

Grafiprint LAMx45 is, thanks to its excellent UV-block, extremely suited for outdoor use under the most extreme conditions.

### → INDOOR/OUTDOOR USE

### PRODUCT ADVANTAGES

- Good protection indoors as well as outdoors
- Adds enormously to the UV-resistance of your prints
- Extremely thin – highly deformable

### CORRESPONDING PRINT MEDIA

Grafiprint LAMx45 is recommended for the protection of all cast Grafiprint print media.

### PRODUCT SPECIFICATIONS

Technical properties

#### RELATIVE HUMIDITY

**50 ± 5%**

#### TEMPERATURE

**23 ± 2°C**

- Thickness vinyl (1)**  
Thickness vinyl + adhesive + release liner
- Elongation at break (production length) (2)**  
Elongation at break (cross)
- Dimensional stability (3)**
- Adhesion strength after 20 minutes (4)**  
Adhesion strength after 24 hours
- Quickstick (5)**
- Max. outdoor life span (6)**
- Temperature range during application**  
Temperature range at use
- Colour back print**
- Flammability**  
If applied on aluminium, glass, steel = self-extinguishing

(1) Average

(2) Minimum

(3) Maximum

(4) Average

(5) Average

(6) Central-European conditions

#### TEST METHOD

#### RESULT

Din53370	40µm 190µm
Din53455	> 200% > 200%
Finat 14	< 0,25mm
Finat 1	13 N/25mm 16 N/25mm
Finat 9	12 N
-	5-6 years (vertical)
-	+5°C up to +40°C -20°C up to +70°C
-	Grey

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### STORAGE INSTRUCTIONS

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

### PATENT

Grafityp cast vinyls are manufactured by a patented production method.

### 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 "Grafityp Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".

Subject to modifications.

### COMPATIBILITY TESTS

Preceding compatibility tests are always advisable!