

PRODUCT DATA SHEET



GRAFIPRINT MEDIA FOR LOW-VOLATILE SOLVENT PRINTERS

REFERENCE LCAN

Released on the 1st of July 2013



Description

The Grafiprint material with reference LCAN is an extremely strong CANVAS material that is made of a combination of polyester and cotton. Grafiprint LCAN was developed especially for indoor applications and is provided with a special one-sided printable satin coating, which was developed for use on the most common solvent printers and low-volatile solvent printers.

Composition

Half-synthetic canvas material (50 % polyester – 50 % cotton) with a thickness of 430 microns (thickness incl. coating), meant for indoor applications.

As this is a woven basic material, the weight can differ slightly with each delivery.

Grafiprint LCAN is a natural product, that holds natural fibres, and that can therefore present irregularities, just like an uncoated painting canvas.

Usability

Grafiprint Canvas material LCAN can be used on most common solvent and low-volatile solvent printers.

Application

Grafiprint Canvas material LCAN has been especially designed for printing photographs, reproductions and other works of art.

Product Characteristics

- High tear resistance
- Good print quality

Product Specifications

Technical properties at a relative humidity of 50 ± 5 % and a temperature of 23 ± 2 °C.

		Test method	Result
1.	Thickness¹ Thickness canvas + coating	Din53370	430 micron
2.	Weight² Weight canvas + coating	ISO 536	385 gr/m ²
3.	Weave construction	-	32 x 28
4.	Expected outdoor life span³	-	Not applicable

Storage instructions

All Grafiprint 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 Grafiprint canvas material 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 Grafiprint materials can be stored for a period of two years.

Remarks

We advise you to leave the low-volatile solvent prints to dry sufficiently before enrolling them or laying them on top of each other.

Handling the Grafiprint canvas material (printing, mounting, etc...) is preferably executed at a temperature of 23 to 25°C and a relative humidity of $\pm 50\%$. That's why we advise you to allow the canvas material to get sufficiently acclimatized in a heated room before handling it. Handling cold material can lead to problems, such as haircracks in the coating.

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

Recommended temperature settings

When printing on the Grafiprint solvent and low-volatile solvent media, the temperature settings of the printer are extremely important. Depending on the ambient conditions, the amount of ink and the requested print quality, we advise a pre-heater temperature between 35°C and 45°C. This temperature can be raised, on condition that the Grafiprint material stays completely flat. A too high temperature can lead to an inferior print quality and to colour differences, because the material will become soft, as a result of which it might get damaged by the transport wheels of the printer, and because the material will undulate, as a result of which it could touch the print head.

The same goes for the use of an after-heater (dryer). We advise an after-heater temperature that is about 5°C to 10°C higher than the pre-heater temperature. But again, the material should not undulate as a result of a too high temperature setting.

In general, we can say the temperature of both heaters should be set as high as possible, without the material showing any form of undulation.

Attention : all handling when it is cold (printing, fixing, ...) may cause the coating to break.

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 Grafiprint materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.

2)

The weight of the Grafiprint materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.

3)

The expected outdoor life span refers to outdoor use under Central European conditions and to vertical applications, and was tested under the most extreme conditions. Under normal conditions, a longer life span may be expected. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.

As the quality of your print does not only depend on the Grafiprint medium, but also on so many other factors (such as the printer, the quality of the inks, the print software, the ICC profile, the ambient temperature, the air humidity, etc...), Grafityp can not guarantee or be held responsible for the eventual print result.

The materials mentioned in our compatibility list have been tested under normal conditions and are purely indicative.

Subject to modifications.

For more detailed information we also refer to our general "Grafiprint Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".