

## IKONOS PROFIFLEX PRO GPT FX 100+ (GLOSSY) / MPT 100A+ (MATT)

### AVAILABLE STANDARD WIDTHS AND LENGTHS

1.05, 1.27, 1.37, 1.60 x 50 m. Other lengths on Customers' individual request.

### PRODUCT DESCRIPTION

This series of Ikonos Profiflex Pro 100+ includes a white, glossy (GPT FX 100+), mat (MPT 100A+) monomeric, calendered, self-adhesive PVC with permanent, transparent glue. The product was intentionally designed for printing on solvent plotters in high speed and top quality.

GPT FX100+ meets the requirements of B-s1, d0 class according to PN-EN 13501-1 (classification of the reaction to fire performance).

### PRODUCT STRUCTURE

Film: : 100 µ white, glossy or mat, monomeric PVC with permanent transparent glue,

Adhesive: permanent dispersion of water-based polyacrylate, highly resistant to UV irradiation and moisture,

Liner: one side siliconized 135g/m<sup>2</sup> PCK type backingpaper.

### RANGE OF APPLICATION

Ikonos Profiflex Pro 100+ is perfect for all indoor applications as well as for short- and midterm outdoor usage.

### PHYSICAL FEATURES

	STANDARD NO.	VALUE
<b>Thickness</b>	Thickness of PVC	ISO 2286-3 100 µ
	Total thickness	ISO 2286-3 228 µ
<b>Tensile stress at break</b>	Along	ISO 527-3/2/200 32 MPa
	Across	ISO 527-3/2/200 28 MPa
<b>Tensile strain at break</b>	Along	ISO 527-3/2/200 180 %
	Across	ISO 527-3/2/200 200 %
<b>Adhesive Power</b>	Initial	FINAT 9 6.5 N / 25 mm
	After 20 minutes	FINAT 1 13.7 N / 25 mm
	After 24 h	FINAT 1 21.4 N / 25 mm
<b>Temperature range</b>	While applying	from 10 °C to 35 °C
	While exploiting	from -15 °C to 60 °C
<b>Flammability*</b>	Adhered to aluminium, glass or steel – self-extinguishing	
<b>Durability</b>	Outdoor	3 years (unprinted PVC)
<b>Shelf Life</b>	2 years (in original packaging, at 20 °C and 50% relative humidity)	

## DURABILITY

The data concerns vertical surface exposure of an unprinted/unprocessed film. The outdoor durability relates to the temperate climate of Middle Europe. If the film is exposed to extreme weather conditions, such as austere insolation, high UV radiation or humidity it may undergo accelerated deterioration. PVC film may also weaken in greatly contaminated areas and regions of high altitude.

## HANDLING & PROCESSING

Recommended storage conditions: 50% of relative humidity, 20 °C, in original packaging.

Customer should always store rolls together with label which consist information about type of product, dimensions of roll and batch number.

Any claims or requests will not be accepted without information about batch number.

During storage time shrinking of the edges of monomeric PVC film could be noticed.

To obtain good print quality/good processing results we recommend acclimatize rolls in printing/processing room min. 24 hour before printing/processing. Large fluctuations in temperature and humidity between the room and the material have an impact on flatness and printability of material.

If printed, the ink must be perfectly dry before further processing e.g laminating or application. Features of products could be changed by the residuals solvents. The surface on which product is applied must be free of dust, grease, lubricant and any other substances which may hinder the film from adhesion.

## IMPORTANT NOTICE

The information included in the present publication is based upon our knowledge as well as practical experience and can be changed without prior notice. All information always represents an average, a minimum or maximum value and should be considered as such.

Due to wide range of possible uses and applications (large variety of substrates/surfaces) customers should independently verify the appropriateness of material for their explicit purpose (also adhesion to the selected substrate), prior to use. We strongly recommend customers conduct own tests before each application.

This data is displayed only in order to serve as a source of information and is given without guarantee and does not constitute a warranty.

All presented information refers to unprinted/unprocessed Ikonos products. Features of products could change after printing/processing due to this reason all printed/processed Ikonos products are not covered by warranty.

Our limited liability relates only to the cost of the defective material which was bought by customer.

Agents, representatives and salesmen are not entitled to give any guarantee, warranty or representation other to the foregoing.

Ikonos shall not be held responsible for any damage to substrates, surfaces or machines resulting from the use or removal of Ikonos product, nor shall Ikonos be held responsible for any consequential damage.

All Ikonos products sold are subject to "General conditions of sales and delivery" (<http://www.ikonos.pl/download-page>).

Ikonos shall not be held responsible for any incidental or consequential damage, including, but not limited to, loss of profit or income, labour cost, costs or expenses for reproducing graphics, loss of production time, costs for removing defective graphics, etc.

All rights reserved. All trademarks and registered trademarks are the property of their respective owners. August 2016.

\*Producer's Internal Test Method.