

## IKONOS PROFIFLEX PRO GPT FX100+ / MPT FX100+

### PRODUCT DESCRIPTION:

Series of Ikonos Profiflex Pro 100+ includes a white, glossy (GPT FX100+) and mat (MPT FX100+) monomeric, calandered, self-adhesive PVC with permanent, transparent adhesive. 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 mic, monomeric, calandered, white, glossy or matt PVC film

Glue: permanent, transparent dispersion of polyacrylate

Liner: one-side siliconized, 121 gsm/136 gsm, "claycoated" type backing paper

### RANGE OF APPLICATION:

Ikonos Profiflex Pro GPT FX100+ and MPT FX100+ are 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 mic (±5%)
Total thickness (film+glue+liner)	ISO 2286-3	235 mic (±5%)
<b>Tensile stress at break</b>	ISO 527-3/2/200	32 MPa [MD] 28 MPa [CD]
<b>Tensile strain at break</b>	ISO 527-3/2/200	180 % [MD] 200% [CD]
<b>Adhesive Power</b>		
Initial	FINAT 9	6.5 N/25 mm
After 20 min	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 oC to 35 oC
While exploiting	-	from -15oC to 60 oC
<b>Durability</b>	vertical surface exposure	indoor 5 years (unprinted)
	vertical surface exposure	outdoor 2 years (unprinted)
<b>Shelf Life</b>	2 years (in original packaging, at 20 oC 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.

Due to wide range of possible uses and applications customers should independently verify the appropriateness of material for their explicit purpose, prior to use. We strongly recommend customers conduct own tests before each application.

## 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.

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.

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