

## IKONOS PROFIFLEX PRO MRT GWP92 AIR+ DB144

### PRODUCT DESCRIPTION:

Series of Ikonos Profiflex Pro MRT GWP92 AIR+ DB144 includes a white, polypropylene film coated with innovative matt ink receptive coating. Self-adhesive with removable, transparent modified with 10% tackifier, dispersion of polyacrylate adhesive. **Original ink receptive coating is dedicated for waterbased pigment inks.** The product was intentionally designed as an eco-friendly, PVC-free solution for printing in high-speed. It enables top-quality prints with vivid colors.

Reduce your carbon footprint by using MRT GWP92 AIR+ DB144. Print high-quality images with water-based inks. PVC-free, no plasticizers and no phthalates. By using this technology for your products you take care of our planet. Our production process does not cause VOC (volatile organic compounds) emission.

### PRODUCT STRUCTURE:

Coating: Special Ink Receptive Layer: 15g/m<sup>2</sup>

Film: 92 µm, white, matt PP film

Adhesive: channel-structured, removable modified with 10% tackifier, transparent dispersion of polyacrylate

Liner: One-side siliconized, 145 g/m<sup>2</sup>, structured, PCK type backing paper with Ultra Stable Technology

Matt ink receptive layer - 15g/m <sup>2</sup>
92 µm, gloss, white PP foil
High-Tack adhesive
Ultra-stable, channel-structured paper, PCK, 145g/m <sup>2</sup>

### COMPATIBLE INKS:

Waterbased Pigment Inks<sup>1</sup>

### RANGE OF APPLICATION:

Ikonos Profiflex Pro MRT GWP92 AIR+ DB144 is perfect for all indoor applications. It enables the fast-printing, with usage of eco-friendly waterbased pigment inks. Additionally, the product offers numerous eco-friendly features as well as almost operator-free printing process thanks to the use of ultra-stable PCK backing paper. Another advantage of the product comes from its structured adhesive, enabling easy application. It suits well for large quantity production.

### PRINTING SIDE: Outside

### PHYSICAL FEATURES:

	STANDARD NO.	VALUE
Thickness <sup>2</sup> of PP	ISO 2286-3	92 µm (±5µm)
<b>Coating weight</b>		15g/m <sup>2</sup> (±5g/m <sup>2</sup> )
Total thickness <sup>2</sup> (coating + film + glue + liner)	ISO 2286-3	300 µm (±5%)
<b>Total weight<sup>3</sup></b>		275g/m <sup>2</sup> (±5%)
<b>Surface gloss<sup>4</sup></b>	DIN 67 530	< 2.9GU (at 60°C)
<b>Tensile stress at break</b>	ASTM D 882	175 MN/m <sup>2</sup> [MD] 155 MN/m <sup>2</sup> [CD]
<b>Tensile strain at break</b>	ASTM D 882	95% [MD] 115% [CD]
<b>Adhesive Power<sup>5</sup></b>		
Initial	FINAT 9	10,38 N/25 mm
After 20 min	FINAT 1	1,23 N/25 mm
After 24 h	FINAT 1	1,38 N/25 mm
<b>Temperature range</b>		
While applying	-	from 10°C to 35°C
While exploiting	-	from -15°C to 50°C

#### Shelf Life

2 years (in original packaging, at 20 °C and 50% relative humidity)

<sup>1</sup> The customer is obliged to conduct his own tests before the final application, to verify the compatibility of this product with the desired result.

<sup>2</sup> Mitutoyo MDE-25PX

<sup>3</sup> KERN PNJ

<sup>4</sup> Micro-tri-glass, BYK Altana, Measurement at 60°

<sup>5</sup> Shimadzu Autograph AGS-x

## 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. The 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. The customer is obliged to conduct his own tests before the final application, to verify the compatibility of this product with the desired result.

## 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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