

## **IKONOS PROFIFLEX DW-50 EASY-ERASE WHITEBOARD PVC-FREE**

### **PRODUCT DESCRIPTION:**

Ikonos Profiflex DW-50 Easy Erase Whiteboard PVC-free is an environmental friendly, glossy, white polyester terephthalate (PET) film with transparent, permanent high-tack adhesive. The product is very stable, uniform, durable. Its surface is coated with transparent and high chemical resistance antigrffiti-topcoat. Thanks to the coating material is suitable for dry-erase markers (eg. Edding 250, Pilot Whiteboardmarker). Graphics can be easily removed without leaving shadows.

Ikonos Profiflex DW-50 Easy Erase Whiteboard is a PVC-Free material.

Reduce your carbon footprint by using Ikonos Profiflex DW-50 Easy-Erase. Create top-quality, eco-friendly whiteboard surfaces. By using Ikonos technology you take care of our planet. Our production process does not cause VOC (volatile organic compounds) emission.

### **PRODUCT STRUCTURE:**

Coating: Special transparent and high chemical resistance antigrffiti-topcoat

Film: 50 µm, white, gloss PET film

Adhesive: permanent modified with 10% tackifier, transparent dispersion of polyacrylate  
30g/m<sup>2</sup> (±2g/m<sup>2</sup>) - dry

Liner: 70 g/m<sup>2</sup>, PET type backing paper with Ultra Stable Technology

### **RANGE OF APPLICATION:**

Ikonos Profiflex Whiteboard PVC-free is perfect for all indoor applications. It creates elegant, highly resistant whiteboard surfaces for dry-erase markers and it suits well for large quantity production. It is a perfect solution for offices, schools, kindergardens etc. It can be also use to restore old whiteboards.

### **PHYSICAL FEATURES:**

	<b>STANDARD NO.</b>	<b>VALUE</b>
Thickness <sup>2</sup> PET	ISO 2286-3	50 µm (±5µm)
Total thickness <sup>2</sup> (coating + foil + glue + liner)	ISO 2286-3	130 µm (±5%)
<b>Total weight<sup>3</sup></b>		174g/m <sup>2</sup> (±5%)
<b>Gloss<sup>4</sup></b>	DIN 67 530	< 100GU (at 60°)
<b>Tensile strength at break</b>	ISO 527-3/2/200	140 MPa [MD] 190 MPa [CD]
<b>Elongation at break</b>	ISO 527-3/2/200	140% [MD] 125% [CD]
<b>Adhesive Power<sup>5</sup></b>		
Initial	FINAT 9	8.9 N/25 mm
After 20 min	FINAT 1	8.5 N/25 mm
After 24 h	FINAT 1	10.4 N/25 mm
<b>Temperature range</b>		
While applying	-	from 10°C to 35°C
While exploiting	-	from -15°C to 50°C
<b>Durability*</b>	90° vertical exposition	indoor up to 2 Years (unprinted, unconverted)
<b>Shelf life</b>	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-gloss, 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. 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. 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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