



IKONOS PROFIFLEX 4-FLOOR MPT F70+ SAND PVC-FREE

IKONOS PROFIFLEX 4-FLOOR PRO MPT F70+ SAND PVC-FREE is a 70 µm, transparent, embossed overlaminating polypropylene film with **anti-slippery R9 class texture**. The product is certified for **fire protection according to DIN EN 13501-1:2019**. IKONOS PROFIFLEX 4-FLOOR MPT F70+ SAND PVC-FREE significantly enhances the quality of the final product. Above all, the lamination film effectively turns any print into safe, anti-slippery floor graphics. It gives the print matt effect, intensifies its color range and significantly extends its durability. Profiflex 4-FLOOR reduces color fading and effectively retards printout deterioration.

PRODUCT STRUCTURE:

Film: 70µm mat embossed polypropylene

Adhesive: Transparent permanent water-based dispersion of polyacrylate

Liner: One-side siliconized, 135 gsm, "claycoated" type backing paper

PRINTING METHODS:

Latex / UV

PRODUCT APPLICATIONS¹:

Protective and finishing film for classic photos and digital prints, e.g., PopUps, floor and decoration graphics - for indoor use. The product is designed for floor applications in public services buildings, offices, malls and hospitals.

PRODUCT ADVANTAGES:

- PVC-FREE
- 100% polypropylene
- No shrinkage
- No silvering ghost effects after lamination
- Scratch resistance
- Crystal-clear adhesive
- Printable with UV- and Latex ink
- Recyclable

Reduce your carbon footprint by using IKONOS PROFIFLEX 4-FLOOR MPT F70+ SAND PVC-FREE. The product is 100% PVC-free, contains no plasticizers and phthalates. Additionally its lower thickness decreases the impact on the environment. By using this technology for your products, you take care of our planet. Our production process does not cause VOC (volatile organic compounds) emission.

PHYSICAL FEATURES:

	STANDARD NO.	VALUE
Thickness²		
Thickness of PP	ISO 2286-3	70 µm (±5%)
Total thickness (film+adhesive+liner)	ISO 2286-3	230 µm (±5%)
Total weight ³		222 g/m ² (±5%)
Tensile strenght	ASTM D 882	200 MN/m ² (±5%) (MD) 180 MN/m ² (±5%) (CD)
Elongation at break	ASTM D 882	105 % (MD) 120 % (CD)
Gloss ⁴	DIN 67 530	5,8GU (60°) (±5%)
Adhesive Power⁵		
Initial	FINAT 9	4,58 N/25 mm
After 20 min	FINAT 1	4,94 N/25 mm
After 24 h	FINAT 1	10,09 N/25 mm
Temperature range		
While applying	-	from 10°C to 25°C
While exploiting	-	from 10°C to 25°C
Durability	90° vertical exposure	indoor 2 years (unprocessed)
Shelf Life	2 years (in original packaging, at 20 °C and 50% relative humidity)	

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

² Mitutoyo MDE-25PX

³ KERN PNJ

⁴ Micro-tri-gloss, BYK Altana, Measurement at 60°

⁵ Shimadzu Autograph AGS-x

GENERAL CHARACTERISTICS OF THE PRODUCT

All IKONOS products are subject to quality control throughout the entire manufacturing process, are covered with a commercial quality warranty and are free of any manufacturing defects. Any published information on IKONOS products is based on research which the manufacturer deems reliable, even though this information is not considered a warranty. The Manufacturer/Supplier confirms the specific scope of use of the product, provided the Buyer strictly complies with all recommendations.

The Manufacturer/Supplier shall not guarantee the full scope of use of the product if:

- the Buyer fails to comply with the recommendations of the Manufacturer/Supplier or its instructions;
- the material is subject to mechanical damage or it loses its physical and chemical characteristics or its resistance, e.g. water resistance, UV resistance, etc. due to incorrect application of the material;
- the material is processed, e.g. printed on, combined with another material, subject to physical and chemical treatment, etc.;
- the material has been affected by mechanical force or is used incorrectly;
- the material has been misused.

The Buyer shall use the material only in properly prepared and dedicated locations, the Buyer shall use all materials strictly according to their intended use. In case of some applications/locations, the material may be subject to increased wear and tear rate or may lose its physical and chemical properties.

PRODUCT LIFE

The Supplier guarantees product life provided all rules described above are adhered to and subject to the following conditions. The data included in the product data sheet applies to a vertical display of a non-printed/unprocessed product. Outdoor product life applies to moderate climate of Central Europe. The Manufacturer/Supplier recommends using solvent glue for outdoor applications. In the event the product is subject to extreme weather conditions, e.g. strong sunlight, high levels of humidity or intensive UV radiation, degradation at an increased rate may occur. In case of some applications/locations, the material may be subject to increased wear and tear rate or may lose its physical and chemical properties. The strength of a PVC film may also be reduced in areas characterised by high pollution levels and at high altitudes. The Buyer shall use the material only in properly prepared and dedicated locations/on properly prepared and dedicated surfaces. The Buyer shall use all materials only as intended.

USE, STORAGE AND PROCESSING OF THE PRODUCT

NOTE:

THE PRODUCT/MATERIAL is subject to the above-mentioned rules in terms of its original intended use. DO NOT use the material for any purposes other than those indicated by the Manufacturer/Supplier. The Customer shall be fully responsible for any misuse of the material and/or failing to comply with the recommendations of the Manufacturer/Supplier. Any explicit or implied assurances or declarations of the Manufacturer/Supplier shall not be legally binding if the Product/Material is misused.

APPROPRIATE TRANSPORT

The Supplier shall become familiar with the recommended transportation conditions (particularly in terms of temperature, humidity, arrangement of the product on the pallet and the number of packaging layers).

APPROPRIATE STORAGE

The Supplier hereby indicates that appropriate storage is vital for the life of the product. Recommended storage conditions: relative humidity of 50%, 20°C in the original packaging. The Customer shall store the rolls with the label containing the information on the product type, dimensions of the roll and the batch number. Any complaints shall be accepted only if the batch number is indicated. Edges of the PVC film may be subject to shrinkage during storage. For best printing quality/processing results, we recommend storing rolls for at least 24 hours, prior to printing/processing, in the room where the printing/processing is to be done. Large temperature and humidity difference between the room and the material may cause material rippling and may affect printing quality. Once the material has been printed on, the ink must become completely dry prior to any further processing of the material, e.g. laminating or application. Any solvent residues may cause a change in the characteristics of the product. The surface on which the product is to be applied must be free of dust, grease, lubricants and other substances, which may negatively affect the adhesion of the material. Due to the wide range of possible applications, the Customer shall, on each occasion, make sure the given material fully corresponds to their needs. We recommend conducting individual tests prior to each application. As IKONOS products are suitable for a wide range of applications and are constantly developed, the Buyer should always test the given product in terms of the intended application.

LOSS OF WARRANTY/PRODUCT CHARACTERISTICS

The Manufacturer/Supplier shall not guarantee the full scope of use of the product if:

- the Buyer fails to comply with the recommendations of the Manufacturer/Supplier or its instructions;
- the material is subject to mechanical damage or it loses its physical and chemical characteristics or its resistance, e.g. water resistance, UV resistance, etc. due to incorrect application of the material;
- the material is processed, e.g. printed on, combined with another material, subject to physical and chemical treatment, etc.;
- the material has been affected by mechanical force or is used incorrectly;
- the material is damaged due to unprofessional application;
- the material is misused.

SUMMARY

All IKONOS products are subject to quality control throughout the entire manufacturing process, are covered with a commercial quality warranty and are free of any manufacturing defects. Any published information on IKONOS products is based on research which the manufacturer deems reliable, even though this information is not considered a warranty. The Manufacturer/Supplier confirms the full scope of use of the product, provided the Buyer strictly observes all recommendations. As IKONOS products are suitable for a wide range of applications and are constantly developed, the Buyer should always test the given product in terms of the intended application.

The information contained herein is based on our knowledge and practical experience and may be amended without prior notice. Any information always represents the average, the minimum or the maximum value and should be treated as such. Any data presented herein is for information purposes only and shall not be the basis for any warranty.

Any possible limited liability of the Manufacturer/Supplier applies exclusively to the costs of defective material purchased by the customer. Agents, representatives or vendors shall not have the right to give any warranties, certifications, guarantees or to make representations other than those provided for herein.

The Manufacturer/Supplier shall not be responsible for any damage to substrates, surfaces or equipment resulting from use or removal of the products.

The Manufacturer/Supplier shall not be responsible for any other damage caused during the processes of application or removal of IKONOS products.

All offered IKONOS products are subject to "General Commercial Terms and Conditions" available at: <https://atrium.com.pl/wsparcie/ogolne-warunki-handlowe> or <https://ikonosmedia.eu/terms-and-conditions/>.

The Manufacturer/Supplier shall not be responsible for any accidental and/or consequential damage including, but not limited to, lost profits or revenue, other lost gains, costs of labour, costs and fees related to reconstruction of a graphic, lost production time, costs of removal of defective graphics, etc. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. Provisions of this TDS are not a commercial offer as defined in the Civil Code.