

## Tabliczka na podłożu ze spienionego PCV, z kolorowym nadrukiem na odblaskowej folii, z laminatem błyszczącym lub matowym - Typ15



### **Producent:**

Pracownia Dekoracji AKATJA Katarzyna Kwiel  
26-200 Końskie ul. Różana 35 email: [akatja@akatja.pl](mailto:akatja@akatja.pl)

### **Zamierzone zastosowanie:**

Tabliczka przeznaczona do umieszczenia zarówno na zewnątrz jak i wewnątrz budynków w celach informacyjnych, ostrzegawczych, dekoracyjnych itp. – zależnie od wybranej przez Klienta grafiki.

### **Instrukcja montażu:**

Tabliczkę najczęściej montuje się do podłoża – ściany, drzwi, szyby, konstrukcji metalowej lub drewnianej. W zależności od potrzeb i wybranego podłoża można to zrobić przy pomocy np. kleju – do tworzyw sztucznych np. polimerowego, taśmy dwustronnie klejącej lub po wykonaniu otworów w tabliczce – za pomocą śrub, kołków rozporowych, trytytek.

### **Instrukcja używania i konserwacji:**

Tabliczkę można myć, wycierać miękką wilgotną szmatką z łagodnymi środkami myjącymi. Nie używać substancji żrących, wybielaczy, rozpuszczalników.

### **Instrukcja utylizacji:**

Tabliczkę po okresie użytkowania wyrzucać do pojemnika na segregowane tworzywa sztuczne.

### **Ostrzeżenia:**

Producent na podstawie wieloletnich obserwacji własnych i Klientów stwierdza, że produkt jest bezpieczny w przypadku stosowania w dających się racjonalnie przewidzieć warunkach.

### **Dokumentacja techniczna:**

Tabliczka została wyprodukowana przy użyciu poniższych materiałów:

- spienione PCV - SIMOPOR EP
- folia samoprzylepna odblaskowa - IKOLITE FX
- atrament – Mutoh UMS
- laminat błyszczący lub matowy -Ikonos Profiflex Lam-Pro GPT L80+/ MPT L80+

Proces produkcyjny w żadnym stopniu nie zmienia właściwości, bezpieczeństwa powyższych materiałów. Producenci i dystrybutorzy powyższych materiałów deklarują, że są one bezpieczne i nadają się do zastosowania w niniejszym produkcie.

**Na kolejnych stronach znajduje się dokumentacja techniczna udostępniona przez producentów w/w materiałów.**

# CERTIFICATE OF COMPLIANCE



MUTOH INDUSTRIES  
LTD  
UMS21

311321-420

Certificate Number

16 Oct 2023 - 16 Nov 2024

Certificate Period

Certified

Status

UL 2818 - 2022 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment with an air change of  $0.82 \text{ hr}^{-1}$  and a loading of  $94.60 \text{ m}^3$ , and Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office Environment with an air change of  $0.68 \text{ hr}^{-1}$  and a loading of  $33.40 \text{ m}^3$ .

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2.



UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

| Criteria                                       | CAS Number | Maximum Allowable Predicted Concentration | Units             |
|------------------------------------------------|------------|-------------------------------------------|-------------------|
| TVOC <sup>(A)</sup>                            | -          | 0.22                                      | mg/m <sup>3</sup> |
| Formaldehyde                                   | 50-00-0    | 9 (7.3 ppb)                               | µg/m <sup>3</sup> |
| Total Aldehydes <sup>(B)</sup>                 | -          | 0.043                                     | ppm               |
| 4-Phenylcyclohexene                            | 4994-16-5  | 6.5                                       | µg/m <sup>3</sup> |
| Particle Matter less than 10 µm <sup>(C)</sup> | -          | 20                                        | µg/m <sup>3</sup> |
| 1-Methyl-2-pyrrolidinone <sup>(D)</sup>        | 872-50-4   | 160                                       | µg/m <sup>3</sup> |
| Individual VOCs <sup>(E)</sup>                 | -          | 1/2 CREL<br>or<br>1/100th TLV             | -                 |

(A) Defined to be the total response of measured VOCs falling within the C<sub>6</sub> – C<sub>10</sub> range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m<sup>3</sup>) fall in the range of 0.5 mg/m<sup>3</sup> or less, as specified in CDPH Standard Method v1.2.

(B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

(C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.

(D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m<sup>3</sup>/day

(E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



## **FOLIA ODBŁASKOWA IKOLITE FX**

## **FOLIA ODBŁASKOWA IKOLITE VINYL 410**

### **Ogólna charakterystyka:**

Bardzo dobre właściwości odblaskowe. Rewelacyjny efekt wizualny reklamy w nocy. np. przy ulicy, gdzie często podświetlana przez reflektory samochodów niesamowicie wyróżnia się spośród innych reklam. Wersja gładka i „plaster miodu”.

### **Zastosowanie:**

Reklama zewnętrzna, plakaty, ekspozycje, naklejki, znaki drogowe.

### **Dane techniczne:**

#### **Folia gładka**

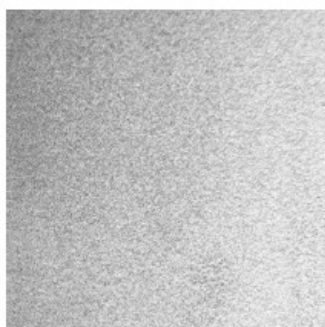
Szerokość Rolki - 1,24m

Gramatura / Grubość - 310,00 g/m2

#### **Folia „plaster miodu”**

Szerokość Rolek - 1,02, 1,24, 1,35, 1,52m

Gramatura / Grubość - 400,00 g/m2



## TECHNICAL DATA

### FOLIA ODBLASKOWA NEW FX

Soft Monomeric PVC with PET film

Color: white

Surface: glossy

#### Specification

| Properties                                                | Test method   | Metric                                              |
|-----------------------------------------------------------|---------------|-----------------------------------------------------|
| PVC film thickness                                        | ISO 4591:1992 | 75 micron Monomeric pvc film                        |
| PET film thickness                                        | ISO 4591:1992 | 93 micron PET film                                  |
| Glue thickness                                            | /             | 25 micron                                           |
| Surface                                                   | /             | glossy                                              |
| Adhesive type                                             | /             | Solvent polyacrylate,permanent adhesive,transparent |
| Release paper                                             | /             | One side coated silicone paper, 110micron           |
| Shelf life                                                | /             | Up to 2 years                                       |
| Application temperature                                   | /             | Min.+10                                             |
| Service life by specialist application                    | /             | Up to 1 year                                        |
| Under vertical outdoor exposure (normal climate of China) | /             |                                                     |
| Available Size                                            | /             | 1.24Mx45.7M                                         |

#### Ink printability

| Eco-solvent | Solvent |
|-------------|---------|
|-------------|---------|

NOTE: All above information shall only used as a guide; buyers shall independently test and determine the products suitability. The mentioned data are average of test result and should not be used for the purpose of lawsuit or warranty

Trade name: **SIMOPOR EP**  
Date of printing: 02.08.2021

Revision: 15.07.2021

| SIMOPOR EP                                                                     |                        |
|--------------------------------------------------------------------------------|------------------------|
| Data sheet update                                                              | 15.07.2021             |
| Density, g/cm <sup>3</sup> ,<br>DIN EN ISO 1183                                | 0.460                  |
| Tensile modulus of elasticity, MPa,<br>DIN EN ISO 527                          | 750                    |
| Flexural modulus of elasticity, MPa,<br>DIN EN ISO 178                         | 850                    |
| Impact strength, kJ/m <sup>2</sup> ,<br>DIN EN ISO 179                         | 10                     |
| Shore hardness D,<br>DIN EN ISO 868                                            | 28                     |
| Mean coefficient of linear thermal expansion, K <sup>-1</sup> ,<br>ISO 11359-2 | 0,7 x 10 <sup>-4</sup> |
| Surface resistivity, Ohm ,<br>DIN IEC 60093                                    | ≥ 10 <sup>13</sup>     |
| Temperature range, °C                                                          | 0 to +60               |

All specifications are deemed to be approximate values in respect of the specific material and may vary depending on the processing methods used. In general, data specified applies to average values measured on extruded sheets with a thickness of 4 mm. In the case of sheets manufactured by means of pressing, testing is generally performed on sheets with a thickness of 20 mm. Deviations from the values specified are possible if the sheets in this thickness are not available. In the case of backed sheets, all technical specifications relate to the non-backed base sheets. Information presented herein is not necessarily applicable to other products (e.g. pipes, solid rods) of the same material or products that have undergone downstream processing. Suitability of materials for a specific field of application must be assessed by the party responsible for processing or the end-user. All technical specifications presented herein are designed merely to provide assistance in terms of project planning. They do not constitute a guarantee of specific properties or qualities. For further information, please contact our Technical Service Centre at [tsc@simona.de](mailto:tsc@simona.de).



NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO PZH  
– Państwowy Instytut Badawczy  
National Institute of Public Health NIH – National Research Institute

## ATEST HIGIENICZNY

**B.BK.60111.0789.2022**

HYGIENIC CERTIFICATE

ORYGINAŁ

**NATIONAL INSTITUTE OF PUBLIC HEALTH NIH – NATIONAL RESEARCH INSTITUTE**

Wyrób / product: **Laminaty IKONOS PROFIFLEX LAM-PRO**

Zawierający / containing: poli(chlorek winylu), stabilizator barowo-cynkowy i inne składniki wg dokumentacji producenta

Przeznaczony do / destined: ochrony wydruków wielkoformatowych stosowanych w miejscach użyteczności publicznej np. centrach handlowych, hotelach, restauracjach, szkołach, przedszkolach itp.

Wymieniony wyżej produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków  
/ the above-named product is acceptable according to hygienic criteria with the following conditions:

Zastosowanie wyrobu musi być zgodne z zaleceniami producenta oraz aktualnymi przepisami dotyczącymi obiektu, w którym ma on być używany. Na opakowaniu należy umieścić etykietę w języku polskim, zawierającą zalecenia dotyczące środków ostrożności wg karty charakterystyki wyrobu, zgodnie z obowiązującymi przepisami prawnymi. Wyrób należy przechowywać w miejscu niedostępnym dla dzieci. Atest higieniczny nie dotyczy parametrów technicznych, walorów użytkowych i oceny właściwości alergizujących wyrobu.

Wytwórca / producer:

ATRIUM Centrum Ploterowe Sp. z o.o.  
45-446 Opole  
ul. Goślawicka 2d, Polska

Niniejszy dokument wydano na wniosek / this certificate issued for:

ATRIUM Centrum Ploterowe Sp. z o.o.  
45-446 Opole  
ul. Goślawicka 2d, Polska



**Atest może być zmieniony lub unieważniony po przedstawieniu stosownych dowodów przez którąkolwiek stronę. Niniejszy atest traci ważność po 2028.02.13 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu.**

**The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2028.02.13 or in the case of changes in composition or in technology of production.**

Data wydania atestu higienicznego: 13 lutego 2023

The date of issue of the certificate: 13th February 2023

Kierownik  
Zakładu Bezpieczeństwa Zdrowotnego  
Środowiska

*2 mp. M. Jolanta Solecka*  
dr hab. Jolanta Solecka, prof. NIZP PZH-PIB

Kontakt w sprawie niniejszego atestu higienicznego / To contact regarding this hygienic certificate  
Zakład Bezpieczeństwa Zdrowotnego Środowiska NIZP PZH - PIB / Department of Environmental Health and Safety NIPH NIH - NRI  
00-791 Warszawa, ul. Chocimska 24 / 00-791 Warsaw, Chocimska 24, Poland  
e-mail: sekretariat-bk@pzh.gov.pl tel. +48 22 54-21-354, +48 22 54-21-349

### IKONOS PROFIFLEX LAM-PRO GPT L80+ (GLOSSY) / MPT L80+ (MATT)

#### PRODUCT DESCRIPTION:

Ikonos Profiflex Lam-Pro Series includes monomeric, transparent, glossy (GPT L80+) or matt (MPT L80+) overlamination PVC films with UV adsorber. Materials intensifying the colour range of an image and significantly extending its durability. Profiflex Lam-Pro GPT L80+/MPT L80+ reduce colour fading and effectively retards printout deterioration caused by weather conditions.

#### PRODUCT STRUCTURE:

Film: 70 mic, transparent, glossy or matt, monomeric PVC

Adhesive: permanent, transparent, water-based dispersion of polyacrylate

Liner: one-side siliconized, clay coated paper, 121 gsm

**RANGE OF APPLICATION:** Ikonos Profiflex Lam-Pro GPT L80+ and MPT L80+ protect pictures and images from mechanical damage, moisture and UV radiation. They are perfect solution for any kind of 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                                                          | 70 mic (±5%)                |
| Total thickness (film+glue+liner) | ISO 2286-3                                                          | 198 mic (±10%)              |
| <b>Tensile stress at break</b>    |                                                                     |                             |
| Along                             | ISO 527-3/2/200                                                     | 20 MPa                      |
| Initial                           | ISO 527-3/2/200                                                     | 15 MPa                      |
| <b>Tensile strain at break</b>    |                                                                     |                             |
| Along                             | ISO 527-3/2/200                                                     | 160%                        |
| Initial                           | ISO 527-3/2/200                                                     | 160%                        |
| <b>Adhesive Power</b>             |                                                                     |                             |
| Initial                           | FINAT 9                                                             | 8.8 N/25 mm                 |
| After 20 min                      | FINAT 1                                                             | 13.3 N/25 mm                |
| After 24 h                        | FINAT 1                                                             | 19.8 N/25 mm                |
| <b>Temperature range</b>          |                                                                     |                             |
| While applying                    | -                                                                   | from 10°C to 33°C           |
| While exploiting                  | -                                                                   | from 10°C to 30°C           |
| <b>Flammability</b>               | Adhered to aluminium, glass or steel – self-extinguishing*          |                             |
| <b>Durability</b>                 | 90° vertical exposure                                               | indoor 5 years (unprinted)  |
|                                   | 90° vertical exposure                                               | outdoor 2 years (unprinted) |
| <b>Shelf Life</b>                 | 2 years (in original packaging, at 20 °C and 50% relative humidity) |                             |

\* Producer's internal test method

## 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.