

## Naklejka wycinana z kolorowej folii samoprzylepnej z laminatem podłogowym - Typ5



### Producent:

Pracownia Dekoracji AKATJA Katarzyna Kwiel  
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### Zamierzone zastosowanie:

Naklejka wycinana z kolorowej folii samoprzylepnej z laminatem podłogowym przeznaczona do naklejania na płaskie, gładkie powierzchnie podłogowe.

### Instrukcja montażu:

Odkleić naklejkę od papieru podkładowego, nanieść na żądane odtuszczone preparatem alkoholowym czyste podłoże, przyglądając miękką szmatką lub filcem. Nie używać substancji żrących, wybielaczy, rozpuszczalników.

Szczegółowa instrukcja dostępna jest na naszej stronie: <https://akatja.pl/content/15-jak-nakleic-naklejke-na-podloge>

### Instrukcja używania i konserwacji:

Naklejkę można myć, wycierać miękką wilgotną szmatką z łagodnymi środkami myjącymi. Nie używać substancji żrących, wybielaczy, rozpuszczalników. W przypadku odklejenia się fragmentu naklejki – jak najszybciej dokleić go za pomocą uniwersalnego kleju polimerowego lub odciąć, usunąć z powierzchni podłoża.

### Instrukcja utylizacji:

Papier podkładowy pozostały po montażu, jak również naklejkę po okresie użytkowania i odklejeniu od podłoża - wyrzucać do pojemnika na segregowane tworzywa sztuczne.

### Ostrzeżenia:

Nie należy zaklejać ust, nosa ani powierzchni ciała z włosami naklejką. Po naklejeniu na powierzchnię, na którą produkt jest przeznaczony i prawidłowym użytkowaniu, producent na podstawie wieloletnich obserwacji własnych i Klientów stwierdza, że produkt jest bezpieczny w przypadku stosowania w dających się racjonalnie przewidzieć warunkach.

### Dokumentacja techniczna:

Naklejka została wyprodukowana przy użyciu poniższych materiałów:

- folia samoprzylepnej kolorowa – Oracal serii 641
- laminat podłogowy Ikonos Profiflex Lam-Pro 4-floor

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.

**Description**

Soft PVC film available both with glossy or matt surface.

**Release Paper**

Silicone coated paper on one side, 135 g/m², which provides excellent weed-stripping properties. For white vinyl, a light blue silicone paper is used, to form a stronger contrast to lettering.

**Adhesive**

Polyacrylate, permanent

**Area of use**

Very well suited for use on cutting plotter systems in the production of short- and medium-term markings, inscriptions and decorations. Outdoor applications. Indoor exposure is almost unlimited. Glossy surface is additionally suitable for thermal transfer printing (with resin ribbons).

**Technical Data**

<b>Thickness*</b> (without protective paper and adhesive)	75 micron	
<b>Dimensional stability</b> (FINAT TM 14)	Adhered to steel, no measurable shrinkage in cross direction, in length 0,4 mm max.	
<b>Temperature resistance***</b>	Adhered to aluminium, -40° C to +80° C, no variation	
<b>Water resistance</b>	Adhered to aluminium, after 48h/23° C, no variation	
<b>Adhesive power*</b> (FINAT TM 1, after 24h, stainless steel)	16 N/25 mm	
<b>Tensile strength</b> (DIN EN ISO 527)	Along:	min. 19 MPa
	Across:	min. 19 MPa
<b>Elongation at break</b> (DIN EN ISO 527)	Along:	min. 130%
	Across:	min. 150%
<b>Shelf life**</b>	2 years	
<b>Application temperature</b>	> +10° C	
<b>Service life by specialist application</b> Under vertical outdoor exposure (normal climate of Central Europe)	Black / white:	4 years
	Transparent / coloured:	3 years
	Metallic:	3 years

\* average    \*\* in original packaging, at 20° C and 50% relative humidity    \*\*\* normal climate of Central Europe

**Note**

Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any other contamination that could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Furthermore, the application information published by ORAFOL must be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

**IMPORTANT NOTICE**

All ORACAL® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORACAL® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORACAL® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice. ORACAL® is a registered trademark of ORAFOL Europe GmbH.



### Preliminary remarks

The following general tips are given for application of ORAFOL® Plotter Materials. If you want to apply plotter material on a car, please also see our practical information for self-adhesive films for application on cars ([www.orafol.com](http://www.orafol.com)).

ORAFOL recommends to use only material with the same batch number for one graphic application. In this context ORAFOL ensures that every film roll consists of material of the same batch number and consequently does not have any splice. When different batch numbers are used the technician should make tests to find out possible differences in using the films and in the quality of the graphic application.

### Storage and processing conditions

ORACAL®, ORAMASK®, ORALITE® and ORATAPE® self-adhesive products are delivered in rolls which should at any times be stored either suspended or standing on the roll blocks provided in a cool, dry place protected from sunlight. Prior to processing, the self-adhesive films should be accommodated to the humidity and temperature prevailing in the processing area. Relative humidity between 40 % and 50 % and temperatures in the range of +18° C to + 22° C are considered ideal. Extreme variations of the above conditions could lead to expansion or shrinkage of the protective paper. The result is insufficient flatness of the self-adhesive material and dimensional changes in the cuts. Please observe the storage instructions provided in the technical data sheet accompanying each film.

### Preparing the surface

The high-quality special adhesives used for ORACAL® self-adhesive materials create an excellent bond with just about any clean, smooth and weatherproof surface which is free of grease, wax and silicone. Prior to applying the ORAFOL® self-adhesive products, clean the surface thoroughly with isopropanol and wipe it dry with a cloth. Gas bubbles may form between the film and the surface if any solvent residue remains as a result of improper cleaning or if the lacquer on the surface is too fresh. Allow at least three weeks to elapse before applying the film to lacquer which has been air-dried or baked. Isopropanol is recommended as the cleaning agent as other agents may, under certain circumstances, attack the lacquer or reduce the adhesive strength of the film.

For surfaces which tend to outgas, such as polycarbonate products, we recommend the following steps. Clean the surface, apply a piece of film and store it at +60° C for about 24 hours. If after this time bubbles have formed in the bond, outgassing is still taking place. In such a case, the plastic material must be thermally treated or stored under room conditions for a longer period. When using ORAMASK® plotter films, it is important that the surfaces receiving the designs be thoroughly cleaned. Isopropanol is preferred for cleaning lacquered surfaces and vehicle tarpaulins. When used on those surfaces (tarpaulins in particular), the spirit should be removed as soon as possible after cleaning to prevent it from penetrating into the surface coating. Be sure to allow sufficient time for the solvent to evaporate after cleaning. For jobs calling for multi-coloured designs, make absolutely sure that the ORAMASK® plotter films are only applied onto paint which is thoroughly dry. Residual solvents may cause residue from the adhesive to remain after the stencil film is removed.

### Application temperatures

The application should be at the temperature mentioned in the respective data sheet. A significant drop in temperature should be avoided during the first 24 hours after adhesion. Should a temperature drop nonetheless occur, we recommend treating the film with hot air from a hot-air gun.

### Removing silicone paper

Lay the cut plotter film with the film side down on a flat surface. Pull back only as much silicone paper as required to begin mounting. Always draw the silicone paper from the film, never the other way round.



### Application

ORAFOL recommends to use only material with the same batch number for the same colour. There are two major methods of application: dry and wet adhesion. For dry adhesion, first position the film cut and press it at one corner on the surface. Then adhere the remainder by applying a plastic squeegee across the film in overlapping sweeps. Depending on the size of the cut being mounted, the silicone paper may be removed completely before bonding or gradually during the adhering procedure. When using ORATAPE® application paper or film, pull these slowly away from the film at a 180° angle. Wet adhesion should only be done in warm weather when temperatures are at least +18° C. Spray the exposed adhesive side with low-surface-tension water (water mixed with a flushing agent) and lay it upon the receiving surface. The ease of precise positioning is the great advantage of the wet adhesion method.

Press the film to the surface using sweeping, overlapping motions. Make sure that the water is completely squeezed out from between the surface and the adhesive. For wet adhesion, we recommend ORATAPE® MT72 application paper. After a short drying period, remove application paper carefully at a 180° angle. Slightly moistening the back side of the application paper makes this procedure even easier. The bond is improved if the film is pressed again to the surface after a few hours. To avoid differences in perceived colour after adhesion, ORACAL® coloured films should always be worked and adhered in one direction only. When mounting across overlapping sheets of metal or expansion joints, use a sharp knife to separate the film at these points so that the film does not come loose when exposed to motion. Different background profiles are used in vehicle construction.

When applying films to such backgrounds always follow the profile. Never just lay out the film and press it under tension into the recess. With overlapping film adhesion, it is important to make sure that the edges of the film sheets overlap by a minimum of 4 mm and a maximum of 12 mm. When applying film to film, make absolutely sure that only films of the same manufacturer and the same type are put on top of each other (monomeric film on monomeric film and polymeric film on polymeric softened film).

**Caution!** Certain thermal insulation glazing systems may be damaged by self-adhesive films due to thermal stresses caused by extreme temperature fluctuations.

### Application on cars

For the application on cars please see additionally the practical information on how to apply self-adhesive films on cars. For the application on car windows the remarks in the practical information for application on cars are to be followed.

### Service life by climate zones

The service life specified in the technical data sheets applies to vertical outdoor exposure under normal central European environmental conditions. The following table provides an overview of the expected reduction in the service life under deviating environmental conditions, which are divided into three climate zones. The specification is valid for all color films suitable for vertical and horizontal application (such as entire vehicle wrapping, vehicle lettering and marking). In case of all other films, the service life data apply only to vertical uses.

<b>Climate zone 1: temperate</b> (e.g. Nord/Central Europe / North US)  Vertical: Data in the technical datasheet Horizontal: C1) vertical minus 50%	<b>Climate zone 2: humid / warm</b> (e.g. Europe – Mediterranean region, Southeast US, Oceania)  Vertical: C1) vertical minus 2 years Horizontal: C1) horizontal minus 1 year
<b>Climate zone 3: arid / hot</b> (e.g. Middle East / North Africa, desert regions in AUS, Southwest US)  Vertical: C1) vertical minus 4 years Horizontal: C1) horizontal minus 2 years	<b>Exceptions</b> For service life of ≤ 5 years in C1) vertical applies:  C3) vertical = C2) vertical minus 50%  C3) horizontal = C3) vertical minus 50%



Climate zone 1* temperate		Climate zone 2* humid / warm		Climate zone 3* arid / hot	
vertical	horizontal	vertical	horizontal	vertical	horizontal
12.0	6.0	10.0	5.0	8.0	4.0
10.0	5.0	8.0	4.0	6.0	3.0
8.0	4.0	6.0	3.0	4.0	2.0
7.0	3.5	5.0	2.5	3.0	1.5
6.0	3.0	4.0	2.0	2.0	1.0
5.0	2.5	3.0	1.5	1.5	0.75
4.0	2.0	2.0	1.0	1.0	0.50
3.0	1.5	1.0	0.5	0.5	0.25

**Note**

The service life data exclude in principle any gradual changes that may be caused by aging or weather conditions during the application period. Examples are minor color deviations, reduction of gloss and surface embrittlement without crack formation.

**Removability**

Environment and surface temperature must be at least +20° C before these films can be removed. Using a knife, first lift up cautiously one corner of the film. Then slowly draw the film from the surface at a 180° angle. Heating the film with a hot-air gun while pulling makes removal considerably easier. If the film being removed is very old, a small amount of residue from the adhesive may remain on the surface. It can be removed easily with varnish thinner.

This information is based on our knowledge and experience. We have not explained all considering aspects of application. Specialised or occupational knowledge and competence of a professional sign maker are presupposed. Due to the diversity of potential influencing factors during application and use, we recommend to make own tests of our products by customers who wish to use the films for special applications. No legally binding warranty of certain qualities can be derived from our information.

Oranienburg, 11 May 2012

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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

ORYGINAL

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 Plotkowe Sp. z o.o.  
45-446 Opole  
ul. Gosławicka 2d, Polska

Niniejszy dokument wydano na wniosek / this certificate issued for:

ATRIUM Centrum Plotkowe Sp. z o.o.  
45-446 Opole  
ul. Gosławicka 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

*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

		<b>INSTYTUT TECHNIKI BUDOWLANEJ</b>	
  AB 023		<b>ZESPÓŁ LABORATORIÓW BADAWCZYCH</b> akredytowany przez Polskie Centrum Akredytacji certyfikat akredytacji nr AB 023	
<b>LM</b>	<b>RAPORT Z BADAŃ NR LM00-2637/11/Z00NM</b>	<b>Strona 1 / 1</b>	

**LABORATORIUM MATERIAŁÓW BUDOWLANYCH**

**Adres:** 00-611 Warszawa ul. Filtrowa 1, tel. 22 57 96 223

**KLIENT:** Atrium Centrum Ploterowe Sp. z o.o.  
 ul. Gosławicka 2, 45-446 Opole

**OBIEKT:** Posadzka z płytek ceramicznych gres gładkich pokrytych materiałem do laminowania  
 „PROFIFLEX LAM-PRO 4-FLOOR MPT F120+ ”

przyjęty/pobrany do badania w dniu 2011.12.01 przy protokole przyjęcia nr LM00-2637/11/Z00NM  
 zgodnie z Procedurą 18

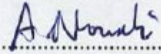

badany w dniu 2012.01.18

**WYNIKI BADANIA:**

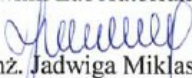
Cecha badana / Procedura badawcza	Wyniki badania
<b>Właściwości przeciwpoślizgowe</b> wg DIN 51130 + PB LT-040/1/10-1999 <b>-kąt akceptowalny, [°]:</b> <b>-klasa właściwości przeciwpoślizgowych:</b>	śr.: 8,0 ±1,2 <b>R9</b>

**INNE INFORMACJE DOTYCZĄCE BADANIA:**

- Po znaku „±” wskazano niepewność pomiaru – niepewność rozszerzoną przy poziomie ufności 95% i współczynniku rozszerzenia  $k = 2$ .
- Do badania dostarczono materiał do laminowania „PROFIFLEX LAM-PRO 4-FLOOR MPT F120+ ” w formie folii samoprzylepnej naklejonej na papier. Do badania wykorzystano płytki ceramiczne gres gładkie.

Odpowiedzialny za badanie: inż. Andrzej Nowacki  ..... Podpis	Osoba autoryzująca raport: mgr inż. Jacek Popczyk  ..... Podpis
Warszawa, dnia 2012.01.18	
Laboratorium Badawcze oświadcza, że wyniki badania odnoszą się wyłącznie do badanego obiektu. Bez pisemnej zgody Laboratorium Badawczego Raport nie może być powielany inaczej, jak tylko w całości. Raport z badań nie jest dokumentem dopuszczającym do obrotu i powszechnego stosowania w budownictwie.	

Kierownik Laboratorium LM

  
 mgr inż. Jadwiga Mikłaszewska

### IKONOS PROFIFLEX LAM-PRO MPT F120+ 4-FLOOR

#### PRODUCT DESCRIPTION:

Ikonos Profiflex Lam-Pro 4-floor is an 120 mic, monomeric, transparent overlaminating PVC film with non-skid texture. Profiflex Lam-Pro 4-floor can provide the picture with matt effect, intensifying the colour range of an image and significantly extending its durability. Profiflex Lam-Pro reduces colour fading and effectively retards printout deterioration.

#### PRODUCT STRUCTURE:

Film: 120 mic, transparent, 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 MPT F120+ protects pictures and images from mechanical damage and moisture. It is perfect for any kind of indoor floor applications.

#### PHYSICAL FEATURES:

	STANDARD NO.	VALUE
<b>Thickness</b>		
Thickness of PVC	ISO 2286-3	120 mic (±5%)
Total thickness (film+adhesive+liner)	ISO 2286-3	260 mic (±5%)
<b>Tensile stress ant break</b>		
Along	ISO 527-3/2/200	min. 18 MPa
Across	ISO 527-3/2/200	min. 18 MPa
<b>Tensile strain at break</b>		
Along	ISO 527-3/2/200	120%
Across	ISO 527-3/2/200	140%
<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 5°C to 30°C
While exploiting	-	from -10°C to 40°C
<b>Flammability</b>	Adhered to aluminium, glass or steel – self-extinguishing*	
<b>Durability</b>	90° vertical exposure	indoor 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.

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