



**VITROTERM - MURÓW S.A.**  
NOTHING'S IMPOSSIBLE WITH GLASS!

# BIRD FRIENDLY SOLUTIONS

ORNILUX<sup>®</sup>, 4 BIRD<sup>®</sup>





## DISCOVER OUR OFFER

**Insulating glass units, laminated glass, specialty glass, processing - our offer goes far beyond manufacturing.** For years, we have been investing in technological development, continuously enhancing the quality and capabilities of our production. We provide not only a wide range of products, but also technical support, certifications, and efficient logistics. Regardless of the scale or complexity of the project, we deliver solutions that meet the highest market standards.



WIDE PRODUCT  
RANGE



TECHNICAL SUPPORT  
AND CONSULTING



CERTIFIED  
QUALITY



EFFICIENT LOGISTICS  
AND TIMELY DELIVERY

# WHY WE ARE THE BEST PARTNER FOR **YOUR BUSINESS**

We combine innovative technologies with an individual approach to every client, offering top-quality products and comprehensive technical support. Trust, flexibility, and a passion for glass make us a partner you can truly rely on.

## ABOUT US

We have been operating in the architectural glass and insulating glass industry for over 30 years, delivering projects worldwide. Our strength lies in our experience, advanced technological facilities, and a team of experts who support clients at every stage of the investment process. Glass is our passion - we continuously expand our offer, which includes insulating glass units, facades, glass stairs, and balustrades. We undertake even the most demanding projects, guided by our motto: "Nothing is impossible with glass."

We work closely with architects, investors, and facade manufacturers, providing flexible, tailor-made solutions. Customer trust and high quality are the foundation of our brand.



# DISCOVER OUR PRODUCT

## BIRD FRIENDLY GLASS



Contemporary architecture increasingly focuses on solutions that combine aesthetics, functionality, and environmental responsibility - including the effective reduction of bird collisions with glass surfaces.

As an experienced manufacturer of architectural glass with over 30 years of expertise, we successfully deliver projects both in Poland and international markets, providing products that meet the highest technical and environmental standards. We offer bird-friendly glass from the ORNILUX® and 4BIRD® product lines, designed with safety, aesthetics, and reliability in mind.

We rely exclusively on certified technologies and materials whose quality has been proven in numerous projects. We deliver products we fully trust and confidently recommend to our clients.

### WHY CHOOSE BIRD FRIENDLY GLASS?

#### Environmental Protection

Significantly reduces the risk of bird collisions with glass façades and glazing systems - one of the most serious threats to bird populations in urban environments.



#### Wide Range of Available Patterns

A variety of pattern designs-including lines, dots, and grids-allows the glazing to be tailored to both the aesthetic requirements of the project and recognized bird-protection standards (2x2" and 2x4" rules).



#### Certified Performance

Performance validated through flight tunnel testing and certified by independent testing and certification organizations.



#### Supports Sustainable Building Practices

Contributes to achieving credits in green building certification systems such as LEED, BREEAM and DGNB, supporting environmentally responsible design, construction, and project delivery.





# BIRD FRIENDLY GLASS **ORNILUX®**



The ORNILUX® product line offers the widest range of certified bird-friendly solutions for insulated glass units. ORNILUX® glass enables versatile application across various projects and provides maximum flexibility in façade design. All of these solutions have been proven effective in reducing bird collisions with glass.

## **MIKADO**

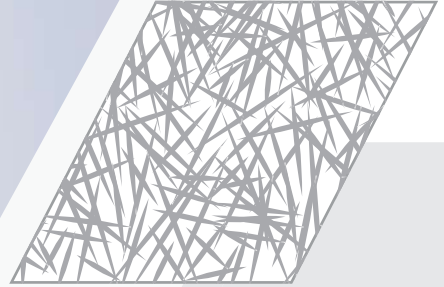
Features a subtle, irregular line pattern that provides effective bird protection while maintaining the aesthetic appeal of façades.

## **SUPER MIKADO**

It features a subtle linear protective pattern designed specifically for glass balustrades.

## **DESIGN DOTS**

Features an irregular, randomly distributed pattern of small, semi-transparent dots.



## MIKADO PATTERN



The Mikado pattern is inspired by an irregular arrangement of lines that gives glazing a dynamic and modern appearance. As a result, the glass not only serves a protective function but also becomes a design element that enhances the individual character of the architecture.

The solution can be used in various configurations - as laminated or monolithic glass, as well as in insulated glass units. It is compatible with façade and window systems, enabling the execution of even the most demanding projects.

### DESIGN FLEXIBILITY:

- virtually invisible UV coating with no impact on façade aesthetics
- maintains high glass transparency
- effective bird protection confirmed by ABC certifications
- wide range of applications across various types of projects
- visual consistency with modern architecture
- compatibility with functional coatings (e.g. thermal insulation coatings)
- suitable solution for large glazed surfaces
- design freedom without aesthetic compromise

# VISIBLE TO BIRDS INVISIBLE TO ARCHITECTURE

## ORNILUX® MIKADO



**ORNILUX® Mikado glass is a solution designed for modern façades, combining highly effective bird protection with a distinctive architectural design.**

The distinctive, irregular line pattern creates a structure visible to birds, effectively reducing the risk of collisions with glass.

The Mikado pattern is an integral part of the glass, ensuring durability, weather resistance, and long-term performance stability. **The solution meets the requirements of bird-friendly glass standards, and its effectiveness has been confirmed through testing and certified by the American Bird Conservancy.**

### ORNILUX® MIKADO FOR DOUBLE GLAZING UNITS

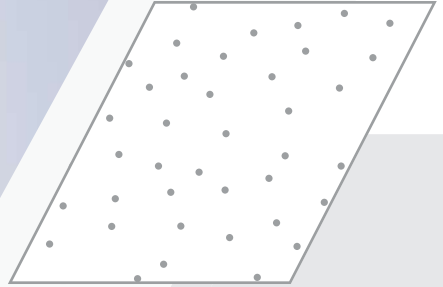
	Glass construction Outer/Cavity/Mid/ Cavity/Inner	Transmission			Reflectance			Absorbance		U-Value		Shading Coefficient	Solar Heat Gain Coefficient	Threat Factor (TF) acc. ABC Guidelines
		Visible Light	Ultra- violet	Solar Energy	Visible Light	Visible Light	Solar Energy	Solar Energy	Winter	Summer				
											[%]			
ORNILUX® mikado N10 ///	6 / 13 / :Lami 4+4	66	0	36	24	25	41	13	0.24	0.21	52	45	26	
ORNILUX® mikado N34 ///	6 / 13 / :Lami 4+4	77	0	50	15	14	32	8	0.25	0.23	68	59	23	
ORNILUX® mikado A71 // inner lami	6 / 13 / :Lami 4+4	66	0	30	15	17	43	24	0.24	0.21	38	33	20	
ORNILUX® mikado A71 // outer lami	Lami 4+6; / 13 / 4	67	0	30	14	15	30	39	0.24	0.21	38	33	20	
ORNILUX® mikado A61 // inner lami	6 / 13 / :Lami 4+4	58	0	26	14	15	40	32	0.24	0.21	34	30	23	
ORNILUX® mikado A61 // outer lami	Lami 4+6; / 13 / 4	59	0	26	14	12	28	45	0.24	0.21	34	30	23	
ORNILUX® mikado A51 <sup>1)</sup> //	Lami 4+6; / 13 / 4	51	0	21	16	12	29	49	0.24	0.21	29	25	25	
ORNILUX® mikado A41 <sup>1)</sup> //	Lami 4+6; / 13 / 4	42	0	18	15	12	27	56	0.24	0.21	26	22	25	

### ORNILUX® MIKADO FOR TRIPLE GLAZING UNITS

	Glass construction Outer/Cavity/Mid/ Cavity/Inner	Transmission			Reflectance			Absorbance		U-Value		Shading Coefficient	Solar Heat Gain Coefficient	Threat Factor (TF) acc. ABC Guidelines
		Visible Light	Ultra- violet	Solar Energy	Visible Light	Visible Light	Solar Energy	Solar Energy	Winter	Summer				
											[%]			
ORNILUX® mikado N34 <sup>2)</sup> ///	4 / 13 / :4 / 13 / :Lami 4+4	70	0	40	17	17	36	12	0.13	0.13	56	49	29	
ORNILUX® mikado A71 ///	Lami 6+6; / 13 / 6 / 13 / :6	60	0	25	15	17	29	42	0.12	0.12	30	30	25	
ORNILUX® mikado A61 ///	6 / 13 / :4 / 13 / :Lami 4+4	52	0	22	16	17	38	35	0.13	0.13	31	27	30	
ORNILUX® mikado A71 eco ///	Lami 6+6; / 13 / 6 / 13 / 6	60	0	26	17	20	30	42	0.18	0.17	35	30	20	
ORNILUX® mikado A61 eco ///	Lami 6+6; / 13 / 6 / 13 / 6	53	0	23	16	18	27	48	0.18	0.17	31	27	23	
ORNILUX® mikado A51 eco ///	Lami 6+6; / 13 / 6 / 13 / 6	45	0	19	17	17	28	52	0.18	0.17	27	23	25	
ORNILUX® mikado A41 eco ///	Lami 6+6; / 13 / 6 / 13 / 6	37	0	15	18	18	26	57	0.18	0.17	23	20	25	
ORNILUX® mikado X60 ///	Lami 6+6; / 13 / 6 / 13 / :6	53	0	19	15	16	29	49	0.12	0.12	27	23	18	

<sup>1)</sup> Tempering of the outer pane is recommended (fully tempered safety glass or heat-strengthened glass).

<sup>2)</sup> In the case of a middle pane with an additional Low-E coating, tempering is recommended. | oHT: optional heat treatment.



## DESIGN DOTS PATTERN



The Design Dots pattern is one of the most subtle solutions in the bird-friendly glass range. Covering less than 1% of the surface area, it preserves the full aesthetic appearance of glazing while still providing effective bird protection.

The glass can be used in various configurations - as part of insulated glass units, in combination with functional coatings, and within façade and window systems. Thanks to its versatility, it is suitable for both office buildings and modern residential developments.

## APPLICATIONS

- office and commercial building façades
- large-format glazing
- public buildings and facilities
- modern residential developments
- projects pursuing environmental certifications (LEED, BREEAM)

# MINIMAL PATTERN MAXIMUM PROTECTION ORNILUX® DESIGN DOTS



**ORNILUX® Design Dots glass is a solution that combines effective bird protection with the refined aesthetics of modern façades.** Thanks to the use of a subtle dotted pattern covering only a small portion of the glass surface, it reduces the risk of bird collisions while maintaining high transparency. The solution is ideal for façades, large glazed areas, and projects that require a combination of design excellence and environmental responsibility.

**ORNILUX® Design Dots meets the requirements for bird-friendly glass, and its effectiveness has been confirmed through testing and certified by the American Bird Conservancy (ABC).**

## ORNILUX® DESIGN DOTS FOR INSULATED GLASS UNITS

	Glass construction Outer/Cavity/Mid/ Cavity/Inner	U <sub>g</sub> -Value [W/m2K]	Light Transmission [%]	g-Value [%]	Light Reflection external [%]	Light Reflection internal [%]	Colour Rendering Index Ra	Sound insulation R <sub>tr</sub> / C / C <sub>w</sub> [dB]
ORNILUX® design dots oHT / <sup>1)</sup>	:6	5,7	89	85	8	8	99	-
ORNILUX® design dots oHT /	6:6.2	5,4	87	76	8	8	98	37
ORNILUX® design dots oHT N34 //	:4 / 16 / :4	1,1	81	64	12	12	98	32
ORNILUX® design dots oHT A71 //	4:4.2: / 16 / 4	1,0	69	36	13	14	96	-
ORNILUX® design dots oHT N34 /// <sup>2)</sup>	:4 / 14 / :4 / 14 / :4	0,6	74	55	15	14	97	32 / -1 / -4

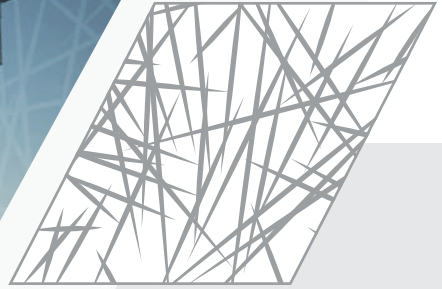
<sup>1)</sup> The ORNILUX® Design Dots oHT pattern has been successfully tested in the flight tunnel in Hohenau-Ringelsdorf (Austria), achieving a category 1 rating. Further information available upon request.

<sup>2)</sup> The middle pane with an additional low-emissivity (Low-E) coating is thermally tempered (fully tempered safety glass). | Other glass constructions and combinations are available upon request. Glass thickness may vary.

Double-glazed unit: additional N34 low-emissivity coating on surface 3; triple-glazed unit: additional N34 low-emissivity coatings on surfaces 3 and 5.



# ORNILUX® SUPER MIKADO



## **SUPER MIKADO PATTERN FOR BALUSTRADE APPLICATIONS**

ORNILUX® Super Mikado glass has been designed specifically for exterior balustrade applications, where both user safety and bird protection are of key importance. Its distinctive, denser line pattern increases the visibility of the glass to birds, effectively reducing the risk of collisions - especially in open spaces and at elevated heights.

The solution combines a protective function with a striking design that enhances the modern character of glass balustrades. The pattern is an integral part of the glass, ensuring durability as well as resistance to weather conditions and intensive use.

### **WHY CHOOSE SUPER MIKADO:**

- enhanced visibility of the pattern for birds
- minimalist pattern, almost invisible to the human eye
- suitable solution for open spaces and elevated areas
- durable pattern integrated into the glass
- aesthetics tailored to modern balustrades

### **USER SAFETY AND BIRD PROTECTION IN ONE SOLUTION.**

**ORNILUX® SUPER MIKADO** IS GLASS DESIGNED SPECIFICALLY FOR BALUSTRADE APPLICATIONS.



# BIRD FRIENDLY GLASS **4BIRD**®



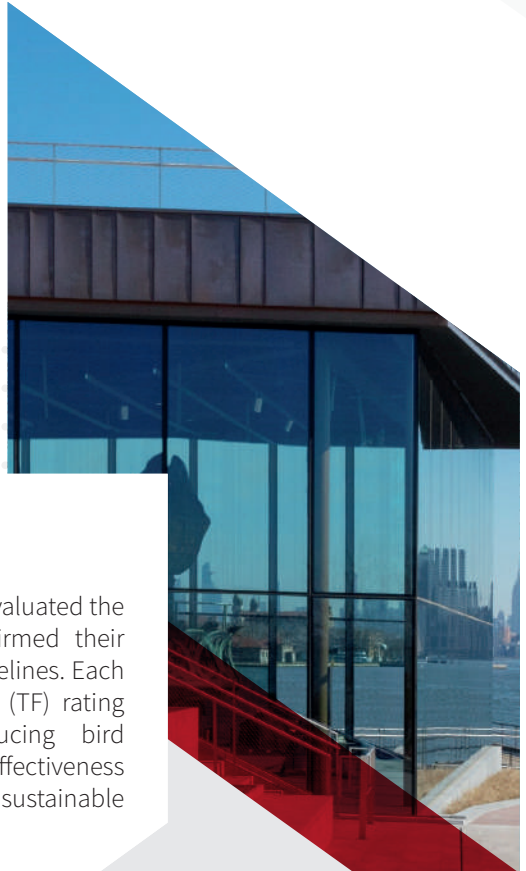
The American Bird Conservancy (ABC) evaluated the 4BIRD® glass configurations and confirmed their compliance with bird-friendly glass guidelines. Each configuration received a Threat Factor (TF) rating indicating its effectiveness in reducing bird collisions. The results confirm the high effectiveness of 4BIRD® solutions in environmentally sustainable projects.

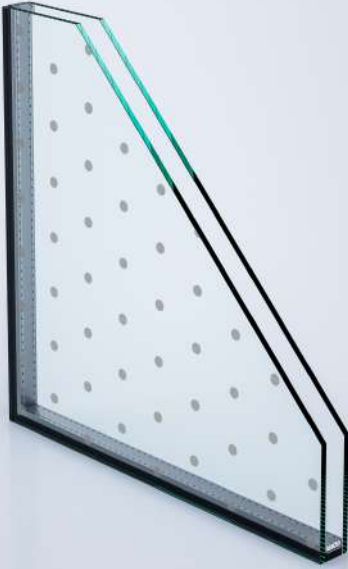
## **4BIRD**® ETCH

This glass features an acid-etched pattern on surface #1. The glass incorporates a selected COOL-LITE® solar control coating designed for tempering.

## **4BIRD**® FRIT

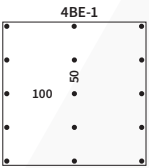
This glass features a printed pattern on surfaces #1, #2, or #3. It can be combined with a selected COOL-LITE® solar control coating, allowing bird protection to be combined with solar control performance.



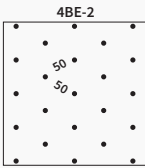


6 PATTERNS  
AVAILABLE

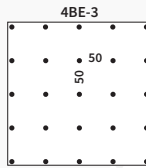
## PATTERNS



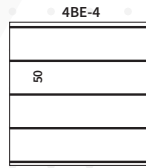
Dots Ø6 mm  
Threat Factor (TF) = 25



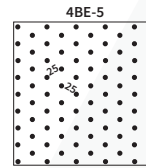
Dots Ø6 mm  
Threat Factor (TF) = 20



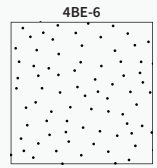
Dots Ø6 mm  
Threat Factor (TF) = 20



Line 6 mm  
Threat Factor (TF) = 20



Dots Ø6 mm  
Threat Factor (TF) = 25



Dots Ø6 mm  
Threat Factor (TF) = 25

## KEY BENEFITS

- effective bird protection
- durable pattern created through the etching process
- high resistance to external weather conditions
- maintains the aesthetics and transparency of the glass
- suitable for use in insulated glass units

4BIRD® Etch is used in façade and window systems, offering designers complete creative freedom without aesthetic compromise.

# VISIBLE TO BIRDS HARMONIOUS WITH ARCHITECTURE

## 4BIRD® ETCH



**4BIRD® Etch glass is a solution created for modern architecture, where aesthetics must go hand in hand with environmental responsibility.** Thanks to the use of durable surface-etching technology, a subtle pattern is created that is visible to birds and effectively reduces the risk of collisions with glass. The pattern forms an integral part of the glass surface, ensuring durability, weather resistance, and long-term performance stability.

**The solution complies with the guidelines of the American Bird Conservancy (ABC), confirming its effectiveness in real-world applications.**



4BIRD® Etch glass is available in a variety of pattern options, tailored to project requirements and bird protection standards. It can be used in insulated glass unit configurations, including with functional coatings, providing the required thermal insulation and solar control performance.

The solution is suitable for both commercial buildings and residential developments.

### 4BIRD® Etch IN INSULATED GLAZING UNITS

#### Solar control coating for tempering.

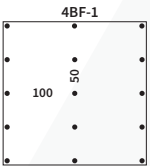
Standard insulated glass unit (IGU) configuration 6/16/4 mm with an acid-etched pattern on surface #1 and a coating on surface #2, filled with 90% argon.

	Ug-Value*	Light Transmission (TL) **	Solar Factor (g-value)**	Selectivity (LT/g)	Outside reflection (LRe)**	Inside reflection (LRI) **
	[W/m2K]	[%]	[%]	[%]	[%]	[%]
4BIRD® Etch COOL-LITE® XTREME 70/33 II DIAMANT	1.0	71	33	2.15	11	13
4BIRD® Etch COOL-LITE® XTREME 70/33 II	1.0	70	33	2.12	11	13
4BIRD® Etch COOL-LITE® XTREME 61/29 II DIAMANT	1.0	62	29	2.14	11	15
4BIRD® Etch COOL-LITE® XTREME 61/29 II	1.0	61	29	2.10	11	15
4BIRD® Etch COOL-LITE® SKN 083 II (on DIAMANT®)	1.0	76	41	1.85	12	13
4BIRD® Etch COOL-LITE® SKN 183 II	1.0	75	40	1.88	12	13
4BIRD® Etch COOL-LITE® SKN 075 II (on DIAMANT®)	1.0	71	36	1.97	15	16
4BIRD® Etch COOL-LITE® SKN 175 II	1.0	70	35	2.00	14	15
4BIRD® Etch COOL-LITE® SKN 076 II (on DIAMANT®)	1.0	71	38	1.87	13	15
4BIRD® Etch COOL-LITE® SKN 176 II	1.0	70	37	1.89	13	15

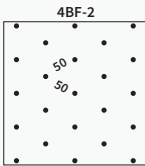


**5** PATTERNS  
AVAILABLE

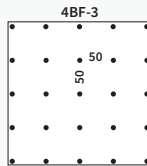
## PATTERNS:



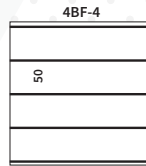
Dots Ø6 mm  
Threat Factor (TF) = 25



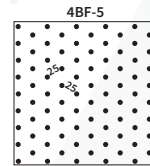
Dots Ø6 mm  
Threat Factor (TF) = 20



Dots Ø6 mm  
Threat Factor (TF) = 20



Line 6 mm  
Threat Factor (TF) = 20



Dots Ø6 mm  
Threat Factor (TF) = 25

## KEY BENEFITS

- durable ceramic frit pattern
- compliant with ABC guidelines
- compatible with COOL-LITE®
- suitable for façades and large glazed surfaces

4BIRD® Frit is used in façades and window systems, large glazed surfaces, offering designers complete creative freedom without aesthetic compromise.

# VISIBLE TO BIRDS DISCREET TO THE EYE 4BIRD® FRIT



**4BIRD® Frit is glass with a ceramic frit pattern applied using screen-printing technology, creating a durable pattern visible to birds on the glass surface.** The solution reduces the risk of bird collisions while maintaining the high aesthetic quality of the façade.

The technology allows the pattern to be applied on different surfaces within the glass unit (#1, #2, or #3), depending on the configuration and project requirements. **Compatibility with COOL-LITE® coated glass enables precise control of light transmission and energy performance.**

4BIRD® Frit glass can be used in various insulated glass unit configurations, depending on project requirements and the desired performance parameters. The ceramic frit pattern is applied to the selected glass surface (#1, #2, or #3), allowing the solution to be optimally tailored to the function of the glazing and its exposure conditions.

When combined with COOL-LITE® coated glass, it enables a high level of control over light transmission, solar energy performance, and thermal insulation. The solution can be used in single glazing as well as in double- and triple-glazed units, including laminated configurations.

## 4BIRD® Frit FOR INSULATED GLAZED UNITS

	Ug-Value*	Light Transmission (TL) **	Solar Factor (g-value)**	Selectivity (LT/g)	Outside reflection (LRe)**	Inside reflection (LRi) **
	[W/m2K]	[%]	[%]	[%]	[%]	[%]
4BIRD® Frit COOL-LITE® XTREME 70/33 II DIAMANT	1.0	71	33	2.15	11	13
4BIRD® Frit COOL-LITE® XTREME 70/33 II	1.0	70	33	2.12	11	13
4BIRD® Frit COOL-LITE® XTREME 61/29 II DIAMANT	1.0	62	29	2.14	11	15
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4BIRD® Frit COOL-LITE® SKN 183 II	1.0	75	40	1.88	12	13
4BIRD® Frit COOL-LITE® SKN 075 II (on DIAMANT®)	1.0	71	36	1.97	15	16
4BIRD® Frit COOL-LITE® SKN 175 II	1.0	70	35	2.00	14	15
4BIRD® Frit COOL-LITE® SKN 076 II (on DIAMANT®)	1.0	71	38	1.87	13	15
4BIRD® Frit COOL-LITE® SKN 176 II	1.0	70	37	1.89	13	15

# DISCOVER OUR EXPERTISE

## CHOOSE EXPERIENCE IN EXECUTION



Vitroterm-Murów is an experienced manufacturer of insulated glass units and processor of architectural glass, delivering projects for demanding investments in Poland and international markets for many years.

As one of the few companies certified in the processing of ORNILUX® glass, we can confirm our technological expertise and compliance with the manufacturer's strict production requirements. This enables us to offer solutions that not only meet high-quality standards but also maintain full effectiveness in bird protection.

We work exclusively with proven technologies and certified materials, carefully overseeing every stage of production — from design and processing to the final product.

### WHY TRUST US

#### CERTIFICATIONS AND EXPERIENCE

##### **ORNILUX® Certification**

Confirmation that the production process complies with the technology requirements



##### **Saint-Gobain 4BIRD® Recommendation**

Recognition of expertise in the production of bird-safe glass



##### **International Experience**

Projects completed in European and American markets.



##### **Compliance with Project Requirements**

Production tailored to local regulations and investment standards.



# OUR CERTIFICATIONS

**CERTIFICATE**

ORNLUX® mikado off / ORNLUX® mikado one off / ORNLUX® supermikado off

This certificate confirms that  
**VITROTERM - MUROW S.A.**  
ul. Wolności 33  
46-030 Murów  
POLAND

has met the certification program requirements for processing ORNLUX® mikado off/1. It indicates that corporate tests were carried out to prove that processing requirements for ORNLUX® mikado off were successfully fulfilled at a specific production site.

This certificate is valid for an unlimited period of time, even should be informed of any process changes which affect the quality of the product.

December 4th, 2024  
(Date of certification)

*A. F.*  
Andreas WINTER  
CEO

*Arkadiusz Jędrzej*  
Arkadiusz Jędrzej  
Product Manager

arcon  
www.arcon.com

**CERTIFICATE**

ORNLUX® design dots off / ORNLUX® design lines off

This certificate confirms that  
**VITROTERM - MUROW S.A.**  
ul. Wolności 33  
46-030 Murów PL

has met the certification program requirements for processing ORNLUX® design off/2. It indicates that corporate tests were carried out to prove that processing requirements for ORNLUX® design off were successfully fulfilled at a specific production site.

This certificate is valid for an unlimited period of time, even should be informed of any process changes which affect the quality of the product.

July 23rd, 2025  
(Date of certification)

*A. F.*  
Andreas WINTER  
CEO

*Arkadiusz Jędrzej*  
Arkadiusz Jędrzej  
Product Manager

arcon  
www.arcon.com

**CERTIFICATE**

sunbelt A71, A61, A51 and A41 HT / sunbelt D70, D60, D50, D40 and D40 blue / Low-E-NGA HT and HT HT

This certificate confirms that  
**VITROTERM - MUROW S.A.**  
ul. Wolności 33  
46-030 Murów  
POLAND

has met the certification program requirements for processing heat transferable screen coatings. It indicates that corporate tests were carried out to prove that processing requirements were successfully fulfilled at a specific production site.

This certificate is valid for an unlimited period of time, even should be informed of any process changes which affect the quality of the product.

December 4th, 2024  
(Date of certification)

*A. F.*  
Andreas WINTER  
CEO

*Arkadiusz Jędrzej*  
Arkadiusz Jędrzej  
Product Manager

arcon  
www.arcon.com

**SAINT-GOBAIN**

Diploma Górnica 18th May 2020

**4BIRD EYE**

Recommendation for Vitroterm - Murów S.A. for a supplier of effective tint protection glazing units

Vitroterm - Murów S.A. is a trusted partner in the field of architectural glass processing, delivering projects with great care and precision using 4BIRD EYE.

4BIRD EYE combines solar control coatings of the COOL-LEET family with acid etching coating, a patented glass in combination with conductive indium tin oxide glass. The coating is a response to increasing insulating glass units with 4BIRD EYE glass.

Insulating glass units produced by Vitroterm - Murów S.A. using 4BIRD EYE glass are compatible with the guidelines of the European Council Recommendation and achieve the required performance parameters in reducing heat gain with glass/fabric systems. This is especially important in projects where not only design matters, but also a positive environmental impact.

We recommend Vitroterm - Murów S.A. as a reliable processor of insulating glass units incorporating 4BIRD EYE glass.

Yours sincerely,  
Mirka Muggen  
Commercial Director  
Building Glass Central Europe

4BIRD EYE  
www.4bird-eye.com

**SAINT-GOBAIN**

Diploma Górnica 2nd April 2020

**4BIRD FIRE**

Recommendation for Vitroterm - Murów S.A. for a supplier of effective tint protection glazing units

Vitroterm - Murów S.A. is a trusted partner in architectural glass processing, delivering projects with great care using 4BIRD FIRE solutions.

4BIRD FIRE combines solar control coating of the COOL-LEET family with screen-protected pattern that comply with tint fire-rated glass certification guidelines. These coatings are clearly visible in fire while remaining aesthetically pleasing and durable for building users. The pattern is possible to effectively reduce fire problems with glazing without compromising the modern appearance of the facade.

Glazing units manufactured by Vitroterm - Murów S.A. with screen-protecting pattern 4BIRD FIRE meet various requirements of the American Glass Conservancy, and achieve the required performance parameters in reducing fire risk in buildings with glazed building facades. This is particularly important in projects where not only design matters, but also a positive environmental impact.

We recommend Vitroterm - Murów S.A. as a reliable partner and supplier of effective tint protection glazing units.

Yours sincerely,  
Mirka Muggen  
Commercial Director  
Building Glass Central Europe

4BIRD FIRE  
www.4bird-fire.com

Certificates available for download on our website [www.vitroterm.com](http://www.vitroterm.com)