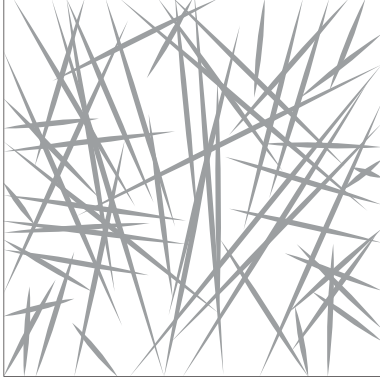


BIRD FRIENDLY GLASS ORNILUX® MIKADO

ORNILUX® Mikado is an innovative glass featuring UV-reflective coatings that are nearly invisible to the human eye, designed to protect birds while maintaining the aesthetics of modern façades. Thanks to its unique structure, Mikado glass effectively reduces bird collisions with glazing, while preserving full transparency and the elegant appearance of the building envelope.



Threat Factor (TF) ≤ 25

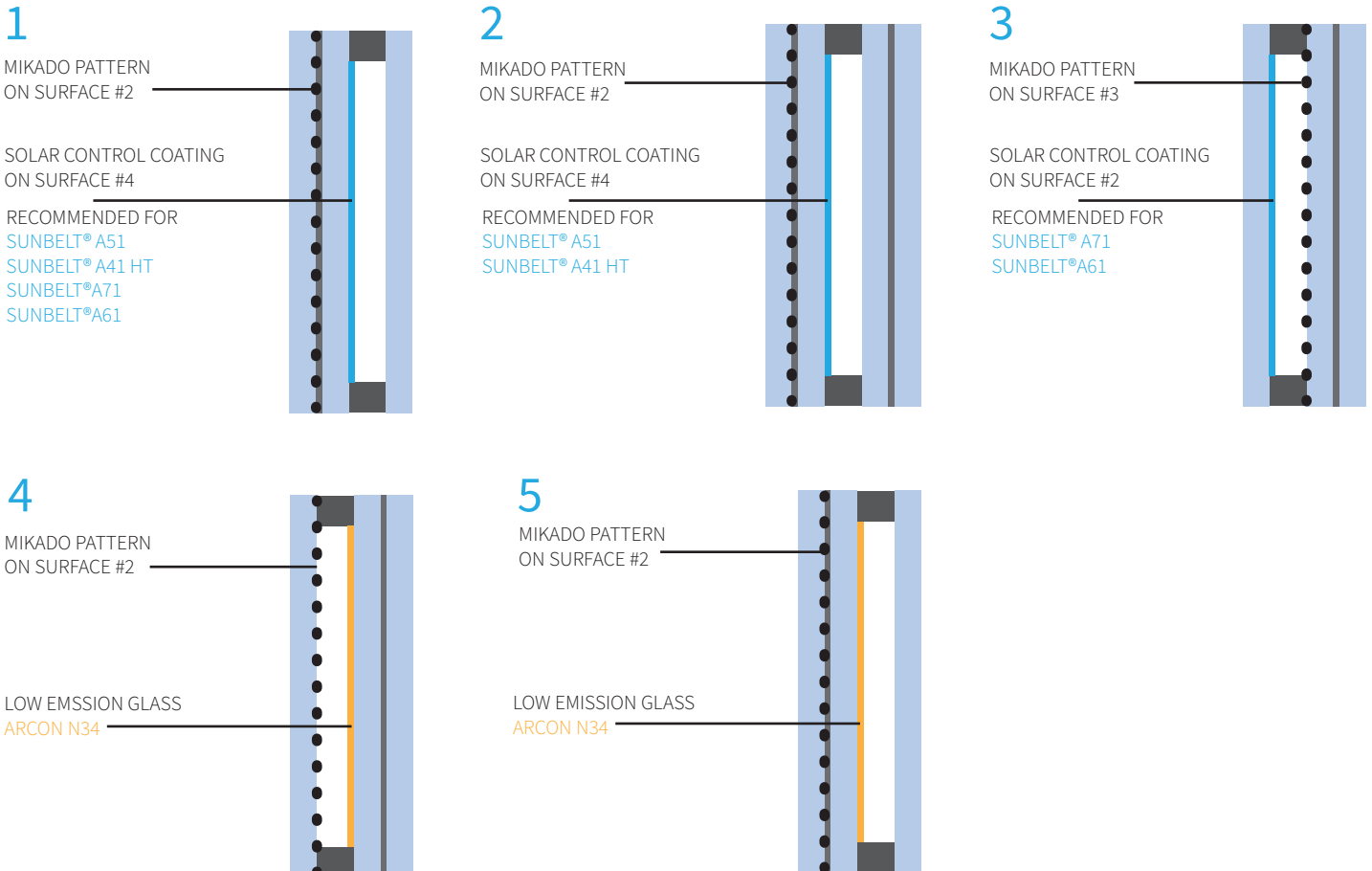


The ORNILUX® product range offers the widest selection of certified bird-friendly solutions for insulating glass units. Transparent ORNILUX® Mikado glass enables versatile use across a variety of projects and provides maximum design flexibility for façades. All of these solutions have been proven effective in reducing bird collisions with glass.

ORNILUX® Mikado size limitations

Maximum glass dimensions: 4950 × 2550 mm

ORNILUX® Mikado glass configurations for double-glazed units



ORNILUX® Mikado konfiguracje szkła dla szyb dwukomorowych

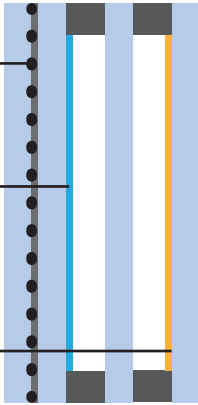
1

MIKADO PATTERN
ON SURFACE #2

SOLAR CONTROL
COATING ON
SURFACE #4

RECOMMENDED FOR
SUNBELT®A71
SUNBELT®X60

LOW EMSSION GLASS
ARCON N34



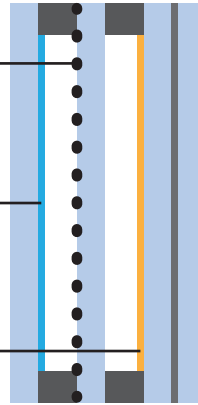
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MIKADO PATTERN
ON SURFACE #2

SOLAR CONTROL COATING
ON SURFACE #4

RECOMMENDED FOR
SUNBELT®A71

LOW EMSSION GLASS
ARCON N34

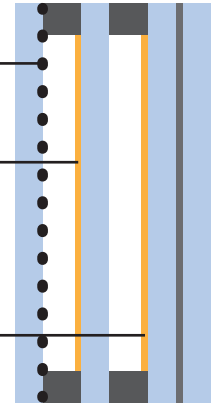


3

MIKADO PATTERN
ON SURFACE #2

LOW EMSSION GLASS
ARCON N34

LOW EMSSION GLASS
ARCON N34

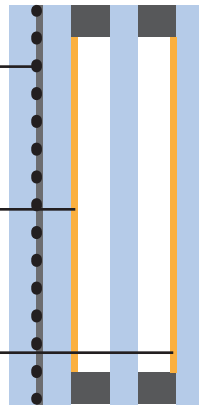


4

MIKADO PATTERN
ON SURFACE #2

LOW EMSSION GLASS
ARCON N34

LOW EMSSION GLASS
ARCON N34

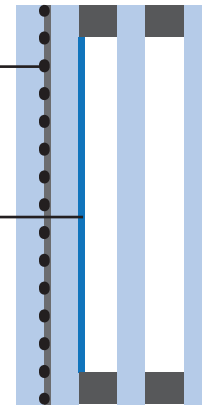


5

MIKADO PATTERN
ON SURFACE #2

SOLAR CONTROL COATING
ON SURFACE #4

RECOMMENDED FOR
SUNBELT®A71



ORNILUX® Mikado in double-glazed units

Product name	Buildup 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			
		%	%	%	Out %	In %	%	%	BTU/(ft²hF)				
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 // ⁽¹⁾	Lami 4+6: / 13 / 4	51	0	21	16	12	29	49	0.24	0.21	29	25	25
ORNILUX® mikado A41 // ⁽¹⁾	Lami 4+6: / 13 / 4	42	0	18	15	12	27	56	0.24	0.21	26	22	25

ORNILUX® Mikado in triple-glazed units

Product name	Buildup 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			
		%	%	%	Out %	In %	%	%	BTU/(ft²hF)				
ORNILUX® mikado N34 /// ⁽³⁾	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

Spandrel with ORNILUX® Mikado glass – glass configurations

1

MIKADO PATTERN
ON SURFACE #2

COATING ON SURFACE #4

RECOMMENDED FOR

SUNBELT®A71

SUNBELT®A61

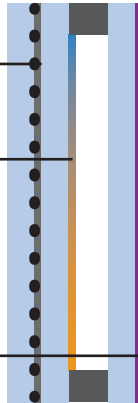
SUNBELT®A51

SUNBELT®A41

Low-E N34

FULL-SURFACE ENAMEL

ON SURFACE #6



2

MIKADO PATTERN
ON SURFACE #2

COATING ON SURFACE #4

RECOMMENDED FOR

SUNBELT®A71

SUNBELT®A61

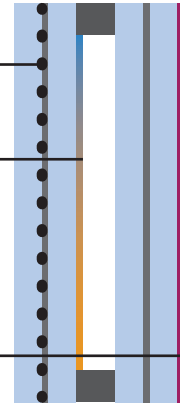
SUNBELT®A51

SUNBELT®A41

Low-E N34

FULL-SURFACE ENAMEL

ON SURFACE #6



Spandrels with ORNILUX® Mikado glass –TF = 25%

SUNBELT A71	SUNBELT A61	SUNBELT A51	SUNBELT A41	N34
BLACK	BLACK	BLACK	BLACK	BLACK
RAL 9004 (signal black)	RAL 9004 (signal black)	RAL 9004 (signal black)	RAL 9004 (signal black)	RAL 9004 (signal black)
RAL 9005 (deep black)	RAL 9005 (deep black)	RAL 9005 (deep black)	RAL 9005 (deep black)	RAL 9005 (deep black)
RAL 7016 (anthracite grey)	RAL 7016 (anthracite grey)	RAL 7016 (anthracite grey)		RAL 7016 (anthracite grey)
RAL 7024 (graphite grey)	RAL 7024 (graphite grey)	RAL 7024 (graphite grey)		RAL 7024 (graphite grey)
RAL 7021 (black grey)	RAL 7021 (black grey)	RAL 7021 (black grey)		RAL 7021 (black grey)
RAL 7015 (slate grey)	RAL 7015 (slate grey)	RAL 7015 (slate grey)		RAL 7015 (slate grey)
Acid Etch Imitation	Acid Etch Imitation	Acid Etch Imitation		Acid Etch Imitation