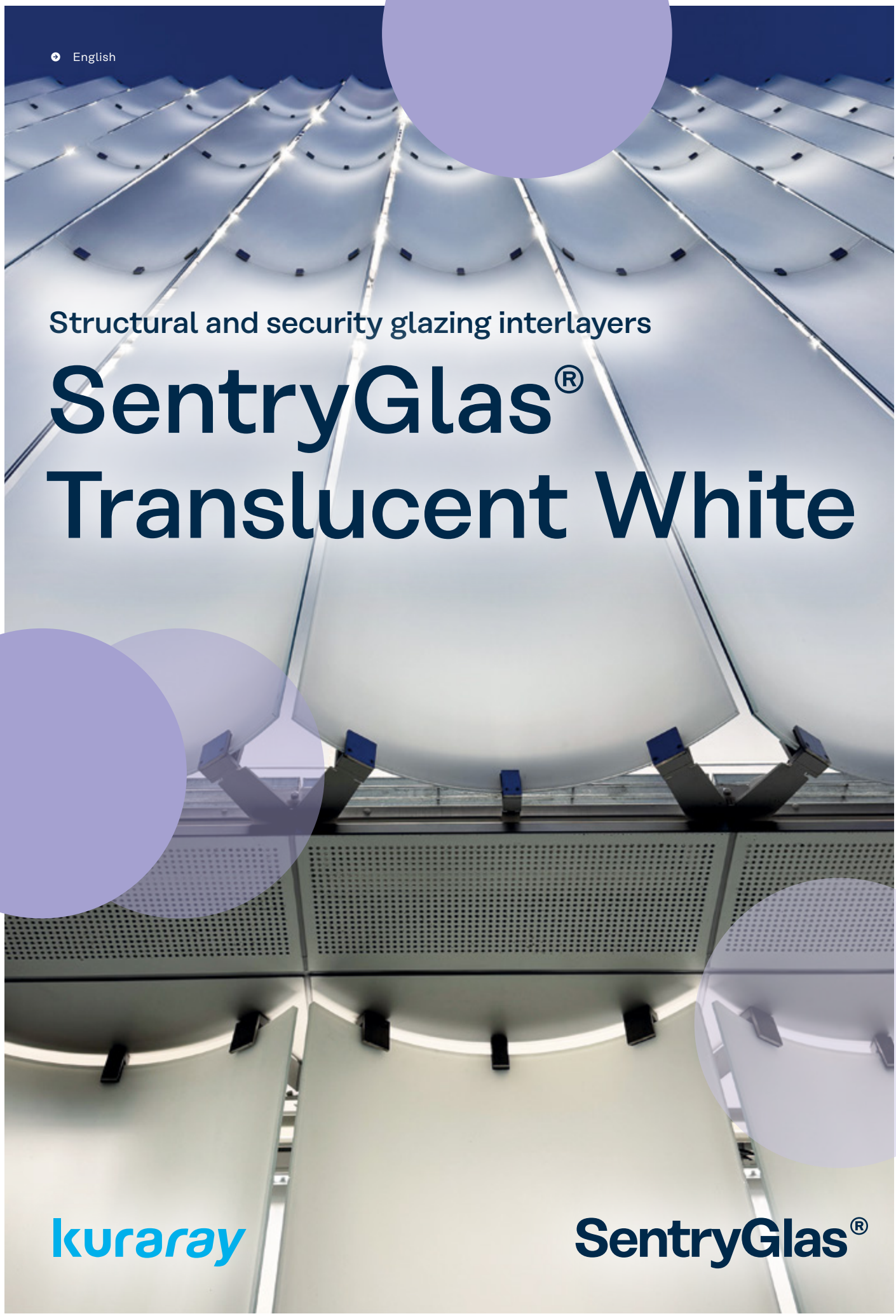
English



Structural and security glazing interlayers

SentryGlas® Translucent White

kuraray

SentryGlas®

SentryGlas® Translucent White interlayer

SentryGlas® Translucent White ionoplast interlayer has the same structural properties as clear ionoplast interlayers. The interlayer's stiffness and strength help to create lighter and safer structural glass that can stand up to greater loads and tougher conditions. The laminate edges show excellent durability when exposed to the elements, an important consideration in minimally supported glass applications, such as glass balustrades and canopies. From a design perspective, the SentryGlas® Translucent White interlayer provides both - an aesthetic effect and a sense of privacy.



Photo: Kuraray



SentryGlas® Translucent White flooring application

SENTRYGLAS® TRANSLUCENT WHITE IONOPLAST INTERLAYER is the latest innovation from Kuraray. Now available in a dedicated 1.52 mm (60 mil) caliper with either 65% or 80% visible light transmittance (Tvis), it provides greater flexibility in balancing privacy and natural light while retaining the structural performance of SentryGlas®.

SentryGlas® Translucent White – dimensions

Product	Film thickness [mm]	[mil]	Roll widths [mm]	Roll widths [in]	Roll lengths PE interleaf [m]	Roll lengths PE interleaf [ft]
SentryGlas® Translucent White	1.52	60	1000-3300	39-130	130	427

TAB 1 ➔

SentryGlas® Translucent White – physical properties

Product	Adhesion	Film thickness [mm]	[mil]	RAL code	Light transmittance* [%]	UV transmittance* [%]	Solar absorption* [%]	G-Value
SentryGlas® Translucent White 65	high	1.52	60	9002	59	34	36	64
SentryGlas® Translucent White 80	high	1.52	60	9002	75	47	25	74

TAB 2 ➔ * All data measured in accordance with EN 410 (2011)/ISO 9050 on laminated safety glass with 4 mm – 1.52 mm SGTW – 4 mm float glass. All Color types meet the requirements of EN 180 12543. If used in exterior applications or combined with radiation sources, the energy absorption of the glass combination must be considered.

Design flexibility

Light transmission values	Light Transmission EN410 [%]	Light Transmission ASTM D1003 [%]
SentryGlas® TW 80	75	80
SentryGlas® TW 65	59	65

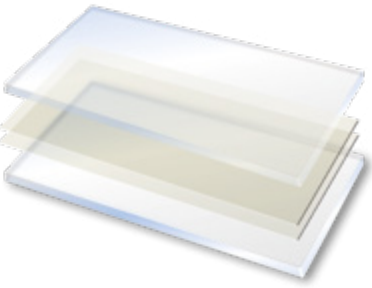
TAB 3 ➔ Double plying SentryGlas® Translucent White reduces light transmission. Where additional thickness is required without altering light transmission, SentryGlas® NUV must be used.

The Evolution of SentryGlas® Translucent White

SIMPLIFYING SPECIFICATION. SIMPLIFYING INVENTORY. SIMPLIFYING PERFORMANCE.
SentryGlas® Translucent White has been trusted in architectural glazing for many years. Now available in dedicated 1.52 mm formats, delivering the privacy and daylighting levels you need – without the need for multiple interlayer combinations.

Previous approach

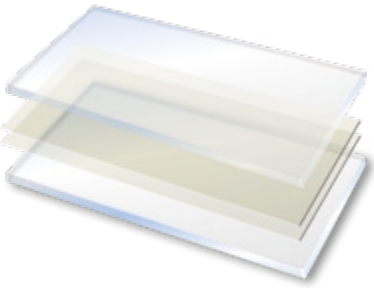
Architects and laminators had to combine products to achieve the desired performance.



Option 1
Lower Light Transmission

0.80 mm TW
+
0.80 mm TW

= Lower LT



Option 2
1.52 mm Construction

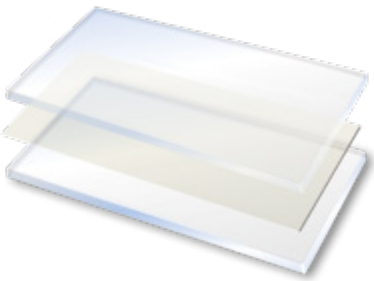
0.80 mm TW
+
0.76 mm NUV

= 1.52 mm Construction

Multiple products	✗
More complex build-ups	✗
Higher inventory	✗
More processing steps	✗
Greater potential for variability	✗

New approach

Dedicated 1.52 mm solutions.
One product. Consistent performance.

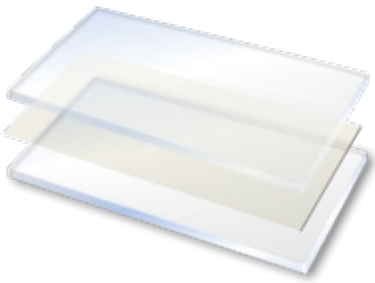


SentryGlas® Translucent White 65

1.52 mm

65 % LT
EN 57 % / ASTM 65 %

(Higher Privacy)



SentryGlas® Translucent White 80

1.52 mm

80 % LT
EN 73 % / ASTM 80 %

(Higher Daylighting)

Single product solution	✓
Simplified specification	✓
Lower inventory	✓
Simplified processing	✓
Consistent optical performance	✓



Photo: © Ta - stock.adobe.com

THE NEW 1.52 MM PORTFOLIO eliminates the need for combining interlayers to achieve your required light transmission and performance.



Photo: © Kuraray

Technical data

SentryGlas® Translucent White – technical data

Property	Test method	Unit	SentryGlas® Translucent White
Tensile Strength	ASTM D882	kpsi	38 (5.5)
Elongation	ASTM D882	%	450
Melting Point	DSC	°C	94
Density	ASTM D792	g/cm^3	0.97
Coefficient of Thermal Expansion	ASTM D696	1/°C	9-15 x 10^{-5}
Thermal conductivity W/M-K	DIN 12939	BTU-in/hr-ft2°F	0.152 (1.05)

TAB 4 ➔

DURABILITY OF SENTRYGLAS® TRANSLUCENT WHITE ACCORDING TO EN ISO 12543-2:2011, RADIATION TEST

Evaluation of light transmittance before an after radiation

Specimen-number	Light transmittance according to EN 410 [%]		Difference [%]	
	before radiation	after radiation	result	before radiation*
1	80	80	0	± 3
2	80	80	0	± 3
3	80	80	0	± 3

TAB 5 ➔ * Requirement according to EN ISO 12543-2, paragraph 5.3 for initial light transmittance > 65%

The visual inspection of the test specimens after radiation* led to the following result

Kind of defects	Number of permissible defects	Number of defects at test specimen		
		1	2	3
Bubbles	0	0	0	0
Delamination	0	0	0	0
Cloudiness	0	0	0	0

TAB 6 ➔ * with unarmed eyes at a distance between 30 cm and 50 cm in front of a white diffuse background

SentryGlas® Translucent White – weathering

Radiation test 3000 hours [Caliper 0.80 mm / 31 mil]	EN12543	Pass
1 year Natural	ANSI Z97.1 ASTM G 147-09 and ASTM G 7-13	**Transmission** Delta YI= -0.5 Delta E = 0.67 **Reflection** Delta YI= 0.3 Delta E= 0.23
10 year Equivalent Accelerted Weathering (EMMA)	ASTM G90 Cycle 2	**Transmission** Delta YI= 0.3 Delta E = 0.52 **Reflection** Delta YI= 0.70 Delta E= 0.34

TAB 7

ELASTIC PROPERTIES

Poisson Ratio

Temperature	Load duration						
	1 sec	3 sec	1 min	1 hour	1 day	1 month	10 years
10°C (50°F)	0.442	0.443	0.446	0.450	0.454	0.458	0.463
20°C (68°F)	0.448	0.449	0.446	0.459	0.464	0.473	0.479
24°C (75°F)	0.452	0.453	0.458	0.465	0.473	0.482	0.489
30°C (86°F)	0.463	0.466	0.473	0.485	0.488	0.497	0.499
40°C (104°F)	0.481	0.484	0.492	0.498	0.499	0.499	0.499
50°C (122°F)	0.491	0.493	0.497	0.499	0.499	0.500	0.500
60°C (140°F)	0.497	0.498	0.499	0.500	0.500	0.500	0.500
70°C (158°F)	0.499	0.499	0.500	0.500	0.500	0.500	0.500
80°C (176°F)	0.500	0.500	0.500	0.500	0.500	0.500	0.500

TAB 8

Shear Relaxation Modulus G(t) – MPa / (Kpsi)

Temperature	Load duration											
	3 sec	30 sec	1 min	5 min	30 min	1 hour	1 day	5 days	3 weeks	1 month	1 year	10 years
10°C (50°F)	236 (34)	228 (33)	225 (32.6)	220 (32)	217 (31)	206 (30)	190 (28)	178 (26)	172 (25)	171 (25)	161 (23)	153 (22)
20°C (68°F)	211 (31)	206 (30)	195 (28)	188 (27)	175 (25)	169 (25)	146 (21)	130 (19)	115 (17)	112 (16)	96.5 (14)	86.6 (12.5)
30°C (86°F)	141 (20.5)	119 (17)	110 (16)	83 (12)	66 (9.6)	60 (8.7)	50 (7.2)	24.7 (3.6)	12.9 (1.9)	11.6 (1.7)	6.8 (1.0)	5.31 (0.7)
40°C (104°F)	63 (9.1)	37 (5.3)	31 (4.5)	19 (2.8)	11.4 (1.7)	9.3 (1.3)	4.5 (0.7)	3.6 (0.5)	3.4 (0.5)	3.3 (0.5)	3.1 (0.4)	2.9 (0.43)
50°C (122°F)	26.4 (3.8)	13.5 (2.0)	11.3 (1.6)	7.31 (1.1)	4.9 (0.7)	4.2 (0.6)	2.8 (0.4)	2.4 (0.4)	2.2 (0.3)	2.2 (0.3)	2 (0.3)	2 (0.3)
60°C (140°F)	8.2 (1.2)	4.3 (0.6)	3.6 (0.5)	2.6 (0.4)	1.9 (0.3)	1.7 (0.2)	1.3 (0.2)	1.2 (0.2)	1.1 (0.2)	1.1 (0.2)	1.0 (0.2)	0.97 (0.14)
70°C (158°F)	2.9 (0.4)	2 (0.3)	1.9 (0.3)	1.4 (0.2)	1.0 (0.1)	0.8 (0.1)	0.6 (0.1)	0.5 (0.1)	0.5 (0.1)	0.5 (0.1)	0.5 (0.1)	0.45 (0.1)
80°C (176°F)	1.3 (0.2)	1.0 (0.1)	0.8 (0.1)	0.6 (0.1)	0.4 (0.06)	0.3 (0.05)	0.3 (0.05)	0.2 (0.03)	0.2 (0.03)	0.2 (0.03)	0.2 (0.03)	0.2 (0.03)

Young's Modulus E(t) – MPa / (Kpsi)

Temperature	Load duration											
	3 sec	30 sec	1 min	5 min	30 min	1 hour	1 day	5 days	3 weeks	1 month	1 year	10 years
10°C (50°F)	681 (99)	661 (96)	651 (94)	638 (83)	629 (91)	597 (87)	553 (80)	516 (75)	498 (72)	499 (72)	467 (68)	448 (65)
20°C (68°F)	612 (89)	602 (87)	567 (82)	549 (80)	511 (74)	493 (71)	428 (62)	380 (55)	336 (49)	330 (48)	282 (41)	256 (37)
30°C (86°F)	413 (60)	349 (50)	324 (47)	243 (35)	194 (28)	178 (26)	146 (21)	72 (10)	38 (5.5)	35 (5)	20.3 (3)	15 (2)
40°C (104°F)	187 (27)	109 (16)	91.6 (13)	57 (8.3)	34 (4.9)	27.8 (4.0)	13.5 (2.0)	11 (1.6)	10 (1.5)	9.9 (1.4)	9.3 (1.3)	8.84 (1.2)
50°C (122°F)	78 (11.4)	40 (5.8)	33.8 (4.9)	21.7 (3.1)	14.6 (2.1)	12.6 (1.8)	8.4 (1.2)	7.2 (1.0)	6.5 (0.9)	6.5 (0.9)	6.3 (0.9)	6 (0.9)
60°C (140°F)	24.5 (3.6)	12.8 (1.9)	10.9 (1.6)	7.6 (1.1)	5.5 (0.8)	5.1 (0.7)	3.8 (0.6)	3.6 (0.5)	3.3 (0.5)	3.3 (0.5)	3 (0.4)	2.9 (0.4)
70°C (158°F)	8.8 (1.3)	6.3 (0.9)	5.64 (0.8)	4.2 (0.6)	2.9 (0.4)	2.5 (0.4)	1.8 (0.3)	1.6 (0.2)	1.5 (0.2)	1.5 (0.2)	1.4 (0.2)	1.3 (0.2)
80°C (176°F)	4.0 (0.6)	2.9 (0.4)	2.5 (0.4)	1.7 (0.2)	1.1 (0.2)	1.0 (0.1)	0.8 (0.1)	0.7 (0.1)	0.6 (0.1)	0.8 (0.1)	0.6 (0.1)	0.5 (0.1)

Contact



FOR FURTHER INFORMATION
on products from Kuraray, please visit www.kuraray.com.
You can find further information on our Trosifol® and SentryGlas® products at www.trosifol.com.

Kuraray America, Inc.
Advanced Interlayer Solutions Division
3700 Bay Area Boulevard
Suite 680
Houston, TX 77058, USA
P +1 800 635 3182

Kuraray Europe GmbH
Advanced Interlayer Solutions Division
Kronenstr. 55
53840 Troisdorf
Germany
P +49 2241 2555 226

Kuraray Co., Ltd
Advanced Interlayer Solutions Division
Tokiwabashi Tower
2-6-4 Otemachi, Chiyoda-ku
Tokyo 100-0004, Japan
P +813 6701 1508

trosifol@kuraray.com

9/2026

Copyright © 2026 Kuraray. All rights reserved.
Trosifol, SentryGlas, SG, SentryGlas Acoustic, SGA, SentryGlas Xtra, SGX, BirdSecure, CamViera, SkyViera and Spallshield are trademarks or registered trademarks of Kuraray Co., Ltd. or its affiliates. Trademarks may not be applied for or registered in all countries. The information, recommendations and details given in this document have been compiled with care and to our best knowledge and belief. They do not entail an assurance of properties above and beyond the product specification. Final determination of suitability of any material or process and whether there is any infringement of patents is the sole responsibility of the user.

WORLD OF INTERLAYERS

New world of possibilities in glazing.

Follow AIS!

trosifol@kuraray.com
www.trosifol.com