

 CWS 1900 SW 44TH AVE. OCALA, FLORIDA 34474 WWW.CWS.CC	SGD-7800 ALUMINUM IMPACT SLIDING GLASS DOOR (L.M.I.)
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Product Description:

CWS Series 7800 Aluminum Sliding Glass Door, Large Missile Impact, 5'x8' and 4'x10' nominal panel sizes max.

Manufacturer:

CWS 1900 SW 44th Ave. Ocala, Florida 34474

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 2023 Florida Building Code including the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report prepared by Thomas J. Sotos, P.E., at 8501 NW 90th Street Medley Florida 33166
- 2) Product Approval drawings CWS-1230 Sheets 1-12, signed and sealed by Thomas J. Sotos, P.E.
- 3) Test Reports as summarized on sheet 3 of this document, from Fenestration Testing Laboratories, Medley, FL signed and sealed by Idalmis Ortega, P.E. Testing Performed: TAS 201/202/203 1994, AAMA/WDMA/CSA 101/I.S.2/A440- 2008, and ASTM E 1886- 19/1996-20 FBC 2023
- 4) Supplemental Calculations to support CWS-1230 Sheets 1-12, signed and sealed by Thomas J. Sotos, P.E.

Installation: Units must be installed according to product approval document CWS-1230 Sheets 1-12.

Limitations of Use: This product:

- May be used in up to 51-1/4" x 117 11/16" panel sizes (120" max. door height), with glass types and max. glass daylight sizes as shown in CWS-1230 Sheets 1-12
- May be used in up to 63-3/8" x 93 11/16" panel sizes (60" max. door width), with glass types and max. glass daylight sizes as shown in CWS-1230 Sheets 1-12
- Achieves design pressures of up to +/-90 psf
- Is Large Missile Impact Resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone



CWS

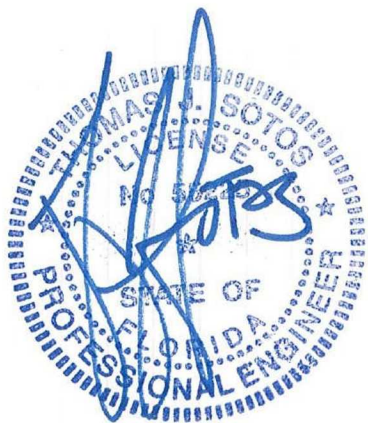
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
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**SGD-7800
ALUMINUM IMPACT SLIDING
GLASS DOOR (L.M.I.)**

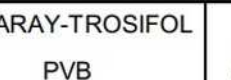
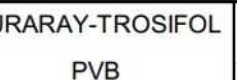
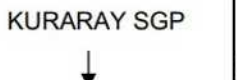
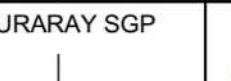
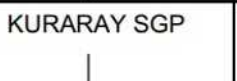
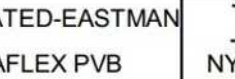
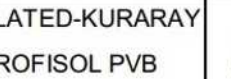
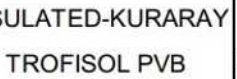
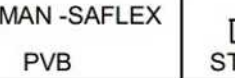
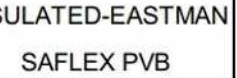
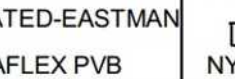
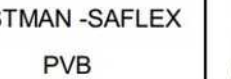
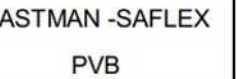
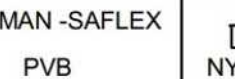
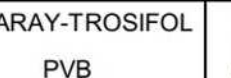
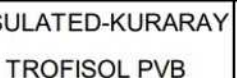
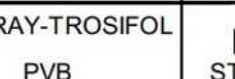
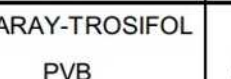
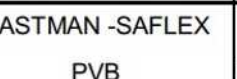
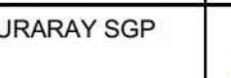
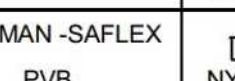
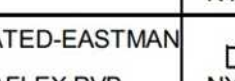
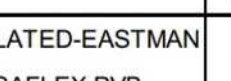
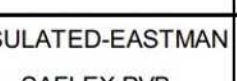
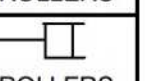
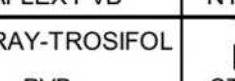
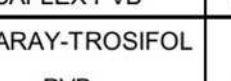
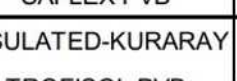
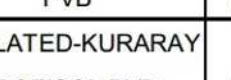
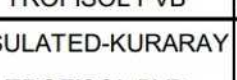
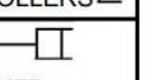
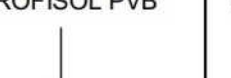
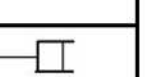
- Requires Kuraray (DuPont) SentryGlas Interlayer per Miami-Dade NOA #23-0717.30, or Kuraray PVB Interlayer per Miami-Dade NOA #23-0717.28, or Eastman Saflex PVB Interlayer per Miami-Dade NOA #23-0713.18.

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Fenestration Testing Laboratory, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.

Thomas J. Sotos, P.E.
FL PE# 55225
January 23, 2024



AS-TESTED MIAMI-DADE BCCO APPROVED SGD TEST PROGRAM SUMMARY

MOCKUP #	FTL Lab #	TESTS		FRAME		PANEL		REIN.. ..FORCING	ASTRAGAL TYPE	GLASS SIZE		GLASS TYPE																									
		PA TEST TYPES	PSF	TYPE	SIZE	SIZE	CONFIG.			WIDTH	HEIGHT	PANEL 1		PANEL 2		PANEL 3		PANEL 4																			
1	8693	201- FULL 202 -203	75	2T	204 X 96"	4 X 8'	XXXXp Exterior	YES	BOX	43-7/16"	86-9/16"	EASTMAN -SAFLEX		EASTMAN -SAFLEX		KURARAY-TROSIFOL		KURARAY-TROSIFOL																			
		No Sill Riser	+ 5 / 33.3									PVB	STEEL ROLLERS	PVB	NYLON ROLLERS	PVB	STEEL ROLLERS	PVB	NYLON ROLLERS																		
		2-5/8" Sill Riser	+ 9/ 60																																		
		3-7/16" Sill Riser	+ 12.5 / 83.3																																		
		3-5/8" Sill Riser	+ 13.5 / 90																																		
1 - SGP	9873	201- 202 Loads -203	90	2T	204 X 96"	4 X 8'	XXXXp Exterior	YES	BOX	43-7/16"	86-9/16"	KURARAY SGP		KURARAY SGP		KURARAY SGP		KURARAY SGP																			
2	9139	201- FULL 202 -203	90	2T	192 X 96"	4 X 8'	OXXX	YES	BOX	43-7/16"	86-9/16"	KURARAY SGP		KURARAY SGP		KURARAY SGP		KURARAY SGP																			
		No Sill Riser	+ 5 / 33.3									FIXED	NYLON ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS																				
		2-5/8" Sill Riser	+ 9 / 60																																		
		3-7/16" Sill Riser	+ 13 / 90																																		
		3	8695															201- FULL 202 -203	75	2T	204 X 96"	4 X 8'	XXXXp Exterior	YES	BOX	43-7/16"	86-9/16"	INSULATED-EASTMAN		INSULATED-EASTMAN		INSULATED-KURARAY		INSULATED-KURARAY			
No Sill Riser	+ 5 / 33.3			SAFLEX PVB	STEEL ROLLERS	SAFLEX PVB	NYLON ROLLERS	TROFISOL PVB	STEEL ROLLERS	TROFISOL PVB	NYLON ROLLERS																										
2-5/8" Sill Riser	+ 9/ 60																																				
3-5/8" Sill Riser	+ 13.5 / 90																																				
3 - SGP	9869											201- 202 Loads -203	90	2T	204 X 96"	4 X 8'	XXXXp Exterior	YES	BOX									43-7/16"	86-9/16"	INSULATED-KURARAY		INSULATED-KURARAY		INSULATED-KURARAY		INSULATED-KURARAY	
4	8696	201- 202 Loads -203	61	2T	192 X 96"	4 X 8'	XXXX	NO	STD	43-7/16"	86-9/16"	EASTMAN -SAFLEX		EASTMAN -SAFLEX		EASTMAN -SAFLEX		INSULATED-EASTMAN																			
		PVB	NYLON ROLLERS									PVB	STEEL ROLLERS	PVB	STEEL ROLLERS	SAFLEX PVB	NYLON ROLLERS																				
																		5	8697	201- 202 Loads -203	81	2T	240 - 3/8" X 96"	5 X 8'	XXXO	YES	BOX	55-7/16"	86-9/16"	EASTMAN -SAFLEX		INSULATED-EASTMAN		EASTMAN -SAFLEX		EASTMAN -SAFLEX	
																				PVB	STEEL ROLLERS									SAFLEX PVB	NYLON ROLLERS	PVB	STEEL ROLLERS	PVB	FIXED		
6	8698	201- 202 Loads -203	51	2T	240 - 3/8" X 96"	5 X 8'	XXXO	NO	STD	55-7/16"	86-9/16"	EASTMAN -SAFLEX		EASTMAN -SAFLEX		EASTMAN -SAFLEX																				EASTMAN -SAFLEX	
		PVB	STEEL ROLLERS									PVB	NYLON ROLLERS	PVB	STEEL ROLLERS	PVB	FIXED																				
																		7	8670	201- 202 Loads -203	66	2T	192 - 3/8" X 120"	4 X 10'	XXXX	YES	BOX	43-7/16"	110-9/16"	KURARAY-TROSIFOL		KURARAY-TROSIFOL		KURARAY-TROSIFOL		INSULATED-KURARAY	
																				PVB	STEEL ROLLERS									PVB	NYLON ROLLERS	PVB	STEEL ROLLERS	TROFISOL PVB	NYLON ROLLERS		
8	8699	201- 202 Loads -203	90	4T	204 X 96"	4 X 8'	XXXXp Exterior	YES	n/a	43-7/16"	86-9/16"	KURARAY-TROSIFOL		KURARAY-TROSIFOL		KURARAY-TROSIFOL																				EASTMAN -SAFLEX	
		PVB	NYLON ROLLERS									PVB	STEEL ROLLERS	PVB	STEEL ROLLERS	PVB	NYLON ROLLERS																				
																		8 - SGP	9236	201- 202 Loads -203	90	4T	204 X 96"	4 X 8'	XXXXp Exterior	YES	n/a	43-7/16"	86-9/16"	KURARAY SGP		KURARAY SGP		KURARAY SGP		KURARAY SGP	
																				NYLON ROLLERS	STEEL ROLLERS									KURARAY SGP	STEEL ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS		
9	8700	201-203	75	4T	188 X 96"	4 X 8'	OXXX	YES	n/a	43-7/16"	86-9/16"	EASTMAN -SAFLEX		EASTMAN -SAFLEX		EASTMAN -SAFLEX																				EASTMAN -SAFLEX	
		PVB	FIXED									PVB	NYLON ROLLERS	PVB	STEEL ROLLERS	PVB	NYLON ROLLERS																				
																		9 - SGP	9468	201- 202 Loads -203	90	4T	188 X 96"	4 X 8'	OXXX	YES	n/a	43-7/16"	86-9/16"	KURARAY SGP		KURARAY SGP		KURARAY SGP		KURARAY SGP	
																				NYLON ROLLERS	FIXED									NYLON ROLLERS	STEEL ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS		
10	8701	201- 202 Loads -203	90	4T	188 X 96"	4 X 8'	XXXX	YES	n/a	43-7/16"	86-9/16"	INSULATED-EASTMAN		INSULATED-EASTMAN		INSULATED-EASTMAN																				INSULATED-EASTMAN	
		SAFLEX PVB	STEEL ROLLERS									SAFLEX PVB	NYLON ROLLERS	SAFLEX PVB	STEEL ROLLERS	SAFLEX PVB	NYLON ROLLERS																				
																		11	8702	201- 202 Loads -203	70	4T	204 X 96"	4 X 8'	XXXXp Exterior	NO	n/a	43-7/16"	86-9/16"	KURARAY-TROSIFOL		KURARAY-TROSIFOL		KURARAY-TROSIFOL		INSULATED-KURARAY	
																				PVB	NYLON ROLLERS									PVB	STEEL ROLLERS	PVB	STEEL ROLLERS	TROFISOL PVB	NYLON ROLLERS		
12	8703	201- FULL 202 -203	75	4T	236 X 96"	5 X 8'	XXXO	YES	n/a	55-7/16"	86-9/16"	KURARAY-TROSIFOL		KURARAY-TROSIFOL		INSULATED-KURARAY																				INSULATED-KURARAY	
		No Sill Riser	+ 5 / 33.3									PVB	NYLON ROLLERS	PVB	STEEL ROLLERS	TROFISOL PVB	NYLON ROLLERS																			TROFISOL PVB	FIXED
		2-5/8" Sill Riser	+ 9 / 60																																		
		3-7/16" Sill Riser	+ 13.5 / 90																																		
13	8704	201- 202 Loads -203	60	4T	236 X 96"	5 X 8'	XXXO	NO	n/a	55-7/16"	86-9/16"	EASTMAN -SAFLEX		EASTMAN -SAFLEX		EASTMAN -SAFLEX		EASTMAN -SAFLEX																			
14	8705	201- FULL 202 -203	60	4T	203 - 3/4" x 120"	4 X 10'	XXXXp Exterior	YES	n/a	43-7/16"	110-9/16"	EASTMAN -SAFLEX		EASTMAN -SAFLEX		INSULATED-EASTMAN		EASTMAN -SAFLEX																			
		No Sill Riser	+ 6 / 40									PVB	STEEL ROLLERS	PVB	STEEL ROLLERS	SAFLEX PVB	STEEL ROLLERS	PVB	STEEL ROLLERS																		
		3-1/4" Sill Riser	+ 9 / 60																																		
		4" Sill Riser	+ 13 / 86.6																																		