N te of Authorization

Manufacturer:

Street:

City/State/Zip:

Product Series: ES70 System Dual Action Window

Product Type: DATT

Simulation Lab

Sim Report #:

Sim Report Dat

Revised Date:

Auth. Ratings: U-Factor, SHGC, VT, CR

Procedural Year: 2017

Test Lab: TATI

Test Report #: Q1367.01-116-46

Test Date: 01/23/2024

Revised Date:

Test Method: NFRC 102

Procedural Year: 2017

Initial Certification Date: 05/01/2024

Re-Certification Date:

Expiration Date: 01/23/2029

CPD Product Line Number: ESD-M-1

http://search.nfrc.org/search/cpd/cpd_search_detail.aspx?cpdnum=ESD-M-1

Product Number Range: 00001-00001 to 00051-00001

Comments:

N/A

I hearby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA Signature:



NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Dual Action Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DATT	**Sim. Report #:**	Q1366.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/23/2024	**Expiration D**	029

CPD Number: ESD-M-1 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00001-00001	No Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/AT	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	N		C		0.27	0.47	59
	00002-00001	9mm Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/AT	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	G	0.75	C		0.24	0.42	59
	00003-00001	12mm Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/AT	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	S	0.75	C		0.24	0.42	59
	00004-00001	No Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	N		C		0.27	0.47	58
	00005-00001	9mm Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	C		0.25	0.42	58
	00006-00001	12mm Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.43	0.25	0.42	40
	00007-00001	No Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/AT	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	N		CL	0.28	0.19	0.41	56
	00008-00001	9mm Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/AT	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.29	0.17	0.36	50
	00009-00001	12mm Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/AT	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.35	0.17	0.36	30
	00010-00001	No Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 33mm IG	AT/AT	3	0.064(2), 0.064(4)	0.354,0.354	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.25	0.34	0.49	67
	00011-00001	9mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 33mm IG	AT/AT	3	0.064(2), 0.064(4)	0.354,0.354	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.27	0.30	0.44	67
	00012-00001	No Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.23	0.33	0.48	67
	00013-00001	9mm Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.23	0.30	0.43	67
	00014-00001	12mm Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.25	0.30	0.43	67

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Dual Action Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DATT	**Sim. Report #:**	Q1366.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/23/2024	**Expiration D**	029

CPD Number: ESD-M-1 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00015-00001	No Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.32	0.44	61
	00016-00001	9mm Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.29	0.39	61
	00017-00001	12mm Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.29	0.39	61
	00018-00001	No Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/AT	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.23	0.43	67
	00019-00001	9mm Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/AT	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.23	0.21	0.38	67
	00020-00001	12mm Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/AT	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.25	0.21	0.38	67
	00021-00001	No Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.26	0.18	0.41	66
	00022-00001	9mm Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.27	0.16	0.36	66
	00023-00001	12mm Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.31	0.16	0.36	66
	00024-00001	No Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.26	0.25	0.44	66
	00025-00001	9mm Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.27	0.23	0.39	66
	00026-00001	12mm Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.31	0.23	0.39	66

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Dual Action Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DATT	**Sim. Report #:**	Q1366.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/23/2024	**Expiration D**	029

CPD Number: ESD-M-1 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00027-00001	No Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/AT	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.34	0.49	66
	00028-00001	9mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/AT	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.30	0.44	66
	00029-00001	12mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/AT	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.30	0.44	66
	00030-00001	No Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.20	0.40	66
	00031-00001	9mm Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.27	0.18	0.35	66
	00032-00001	12mm Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.31	0.18	0.35	66
	00033-00001	No Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.26	0.25	0.43	66
	00034-00001	9mm Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.27	0.23	0.38	66
	00035-00001	12mm Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.31	0.23	0.38	65
	00036-00001	No Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	N		CL	0.21	0.21	0.34	63
	00037-00001	9mm Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	G	0.75	CL	0.22	0.19	0.30	63
	00038-00001	12mm Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	S	0.75	CL	0.23	0.19	0.30	63

NFRC Product Certification Authorization Report

Manufacturer: EOSS System Doors and Windows (Shandong) Co., Ltd.
Product Series: ES70 System Dual Action Window
Simulation Lab: SATI
Initial Cert. D 024

Street: 7027 Dongtai Road * Dongcheng Street
Product Type: DATT
Sim. Report #: Q1366.01-116-45 R0
Re-Certifica

City/State/Zip: Weifang, Shandong 262600
Air Leakage:
Sim. Report Date: 08/28/2023
Revised Dat

Print Date: 05/01/2024
Test Date: 01/23/2024
Expiration D 029

CPD Number: ESD-M-1 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00039-00001	No Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/AT	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.37	0.49	67
	00040-00001	9mm Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/AT	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.33	0.44	67
	00041-00001	12mm Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/AT	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.33	0.44	65
	00042-00001	No Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/AT	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.19	0.39	67
	00043-00001	9mm Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/AT	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.23	0.17	0.34	67
	00044-00001	12mm Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/AT	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.25	0.17	0.34	67
	00045-00001	No Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	N		CL	0.31	0.27	0.46	59
	00046-00001	9mm Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.33	0.24	0.41	59
	00047-00001	12mm Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.42	0.24	0.41	43
	00048-00001	Plani-Lami (6mm|152PVB|6mm) 13mm IG: Plani-Lami (6mm|152PVB|6mm) 13mm IG	AT/AT	1	0.168(2)		N		N		CL	0.56	0.47	0.55	10
	00049-00001	No Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/AT	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	N		CL	0.21	0.15	0.30	66
	00050-00001	9mm Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/AT	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	G	0.75	CL	0.21	0.13	0.26	66

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Dual Action Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DATT	**Sim. Report #:**	Q1366.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/23/2024	**Expiration D**	029

CPD Number: ESD-M-1 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti	SHGC	VT	Cond. Res
	00051-00001	12mm Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/AT	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	S	0.75	C	0.13	0.26	66

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Nu
TATI	**01/23/2024**	1200 mm x 1500 mm	0.216	0.209	Q1367.

Comments: N/A

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the bes dge.

Authorized IA Signature: 

Certificate of Authorization

Manufact	ors and ng) Co.,	**Product Series:**	ES70 System Fixed Window
		Product Type:	FIXD
Street:	d		
City/Stat	ng 262600		
Simulatio		**Test Lab:**	TATI
Sim Repo	R0	**Test Report #:**	Q1365.01-116-46
Sim Report Date:	08/28/2023	**Test Date:**	01/16/2024
Revised Date:		**Revised Date:**	
Auth. Ratings:	U-Factor, SHGC, VT, CR	**Test Method:**	NFRC 102
Procedural Year:	2017	**Procedural Year:**	2017

Initial Certification Date: 05/01/2024

Re-Certification Date:

Expiration Date: 01/16/2029

CPD Product Line Number: ESD-M-2

http://search.nfrc.org/search/cpd/cpd_search_detail.aspx?cpdnum=ESD-M-2

Product Number Range: 00001-00001 to 00051-00001

Comments:

N/A

I hearby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA Signature:



NFRC Product Certification Authorization Report

Manufacturer: EOSS System Doors and Windows (Shandong) Co., Ltd.
Product Series: ES70 System Fixed Window
Simulation Lab: SATI
Initial Cert. D 024

Street: 7027 Dongtai Road * Dongcheng Street
Product Type: FIXD
Sim. Report #: Q1364.01-116-45 R0
Re-Certifica

City/State/Zip: Weifang, Shandong 262600
Air Leakage:
Sim. Report Date: 08/28/2023
Revised Dat

Print Date: 05/01/2024
Test Date: 01/16/2024
Expiration D 029

CPD Number: ESD-M-2 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00001-00001	No Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/NA	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	N		C		0.32	0.57	59
	00002-00001	9mm Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/NA	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	G	0.75	C		0.29	0.51	59
	00003-00001	12mm Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/NA	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	S	0.75	C		0.29	0.51	59
	00004-00001	No Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/NA	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	N		C		0.32	0.57	58
	00005-00001	9mm Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/NA	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	C		0.29	0.51	58
	00006-00001	12mm Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/NA	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.43	0.29	0.51	41
	00007-00001	No Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/NA	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	N		CL	0.25	0.22	0.49	56
	00008-00001	9mm Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/NA	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.27	0.20	0.44	51
	00009-00001	12mm Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/NA	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.33	0.20	0.44	31
	00010-00001	No Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 33mm IG	AT/NA	3	0.064(2), 0.064(4)	0.354,0.354	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.21	0.39	0.59	69
	00011-00001	9mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 33mm IG	AT/NA	3	0.064(2), 0.064(4)	0.354,0.354	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.24	0.36	0.53	69
	00012-00001	No Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/NA	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.19	0.39	0.58	69
	00013-00001	9mm Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/NA	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.20	0.35	0.52	69
	00014-00001	12mm Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/NA	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.21	0.35	0.52	69

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Fixed Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	FIXD	**Sim. Report #:**	Q1364.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/16/2024	**Expiration D**	029

CPD Number: ESD-M-2 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00015-00001	No Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/NA	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.37	0.53	62
	00016-00001	9mm Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/NA	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.34	0.47	62
	00017-00001	12mm Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/NA	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.34	0.47	62
	00018-00001	No Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/NA	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.27	0.51	68
	00019-00001	9mm Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/NA	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.20	0.25	0.45	68
	00020-00001	12mm Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/NA	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.21	0.25	0.45	68
	00021-00001	No Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.23	0.21	0.48	68
	00022-00001	9mm Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.24	0.19	0.43	68
	00023-00001	12mm Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.29	0.19	0.43	66
	00024-00001	No Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.23	0.30	0.53	68
	00025-00001	9mm Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.24	0.27	0.47	68
	00026-00001	12mm Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.29	0.27	0.47	66

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Fixed Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	FIXD	**Sim. Report #:**	Q1364.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/16/2024	**Expiration D**	029

CPD Number: ESD-M-2 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00027-00001	No Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/NA	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.39	0.59	68
	00028-00001	9mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/NA	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.36	0.53	68
	00029-00001	12mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/NA	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.36	0.53	68
	00030-00001	No Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.23	0.47	68
	00031-00001	9mm Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.24	0.21	0.42	68
	00032-00001	12mm Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.29	0.21	0.42	66
	00033-00001	No Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.23	0.29	0.51	68
	00034-00001	9mm Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.24	0.27	0.46	68
	00035-00001	12mm Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.29	0.27	0.46	66
	00036-00001	No Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	N		CL	0.17	0.24	0.40	64
	00037-00001	9mm Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	G	0.75	CL	0.18	0.22	0.36	64
	00038-00001	12mm Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/NA	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	S	0.75	CL	0.19	0.22	0.36	64

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Fixed Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	FIXD	**Sim. Report #:**	Q1364.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/16/2024	**Expiration D**	029

CPD Number: ESD-M-2 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00039-00001	No Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/NA	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.43	0.59	68
	00040-00001	9mm Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/NA	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.39	0.53	68
	00041-00001	12mm Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/NA	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.39	0.53	66
	00042-00001	No Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/NA	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.22	0.47	68
	00043-00001	9mm Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/NA	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.19	0.20	0.42	68
	00044-00001	12mm Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/NA	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.21	0.20	0.42	68
	00045-00001	No Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/NA	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	N		CL	0.28	0.32	0.55	58
	00046-00001	9mm Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/NA	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.31	0.29	0.49	58
	00047-00001	12mm Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/NA	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.41	0.29	0.49	44
	00048-00001	Plani-Lami (6mm|152PVB|6mm) 13mm IG: Plani-Lami (6mm|152PVB|6mm) 13mm IG	AT/NA	1	0.168(2)		N		N		CL	0.58	0.55	0.65	10
	00049-00001	No Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/NA	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	N		CL	0.17	0.17	0.36	67
	00050-00001	9mm Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/NA	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	G	0.75	CL	0.17	0.16	0.32	67

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES70 System Fixed Window	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	FIXD	**Sim. Report #:**	Q1364.01-116-45 R0	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	08/28/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/16/2024	**Expiration D**	029

CPD Number: ESD-M-2						IA: National Accreditation And Management Institute								
Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti	SHGC	VT	Cond. Res
	00051-00001	12mm Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/NA	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	S	0.75	C	0.16	0.32	67

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Nu
TATI	**01/16/2024**	1200 mm x 1500 mm	0.175	0.169	Q1365.

Comments: N/A

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the bes dge.

Authorized IA Signature: 

Certificate of Authorization

Manufact	ors and ng) Co.,	**Product Series:**	ES152 System Sliding Door
		Product Type:	DDSG
Street:	d		
City/Stat	ng 262600		

Simulatio		**Test Lab:**	TATI
Sim Repo	R1	**Test Report #:**	Q1375.01-116-46
Sim Report Date:	09/19/2023	**Test Date:**	01/12/2024
Revised Date:		**Revised Date:**	
Auth. Ratings:	U-Factor, SHGC, VT, CR	**Test Method:**	NFRC 102
Procedural Year:	2017	**Procedural Year:**	2017

Initial Certification Date: 05/01/2024

Re-Certification Date:

Expiration Date: 01/12/2029

CPD Product Line Number: ESD-M-3

http://search.nfrc.org/search/cpd/cpd_search_detail.aspx?cpdnum=ESD-M-3

Product Number Range: 00001-00001 to 00051-00001

Comments:

N/A

I hearby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA Signature:



NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES152 System Sliding Door	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DDSG	**Sim. Report #:**	Q1374.01-116-45 R1	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	09/19/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/12/2024	**Expiration D**	029

CPD Number: ESD-M-3 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00001-00001	No Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/AT	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	N		C		0.27	0.47	52
	00002-00001	9mm Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/AT	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	G	0.75	C		0.24	0.40	52
	00003-00001	12mm Grid: SDF178/Argon90/Clear (6mm/6mm) 32mm IG	AT/AT	2	0.052(2)	0.787	TS-D	Fill 1: ARG(90/10)	S	0.75	C		0.24	0.40	52
	00004-00001	No Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	N		C		0.27	0.47	51
	00005-00001	9mm Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	C		0.24	0.40	51
	00006-00001	12mm Grid: SDF178/Argon90/Clear (6mm/6mm) 24mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.54	0.24	0.40	37
	00007-00001	No Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/AT	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	N		CL	0.37	0.19	0.40	51
	00008-00001	9mm Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/AT	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.39	0.17	0.35	50
	00009-00001	12mm Grid: SB70/Argon90/Planibel (6mm/6mm) 24mm IG	AT/AT	2	0.018(2), 0.168(4)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.45	0.17	0.35	28
	00010-00001	No Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 33mm IG	AT/AT	3	0.064(2), 0.064(4)	0.354,0.354	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.34	0.33	0.49	54
	00011-00001	9mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 33mm IG	AT/AT	3	0.064(2), 0.064(4)	0.354,0.354	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.29	0.42	54
	00012-00001	No Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.32	0.33	0.48	54
	00013-00001	9mm Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.32	0.29	0.41	54
	00014-00001	12mm Grid: S116/Argon90/S116/Argon90/Clear (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.34	0.29	0.41	54

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES152 System Sliding Door	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DDSG	**Sim. Report #:**	Q1374.01-116-45 R1	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	09/19/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/12/2024	**Expiration D**	029

CPD Number: ESD-M-3 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00015-00001	No Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.32	0.44	53
	00016-00001	9mm Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.28	0.38	53
	00017-00001	12mm Grid: S116/Argon90/S116/Argon90/Planibel (5mm/5mm/6mm) 40mm IG	AT/AT	3	0.076(2), 0.076(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.28	0.38	53
	00018-00001	No Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/AT	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.23	0.42	54
	00019-00001	9mm Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/AT	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.32	0.21	0.36	54
	00020-00001	12mm Grid: D80/Argon90/S116/Argon90/Clear (6mm/5mm/6mm) 40mm IG	AT/AT	3	0.072(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.34	0.21	0.36	54
	00021-00001	No Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.34	0.18	0.40	54
	00022-00001	9mm Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.16	0.35	54
	00023-00001	12mm Grid: SB70/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.018(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.40	0.16	0.35	54
	00024-00001	No Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.35	0.25	0.44	54
	00025-00001	9mm Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.22	0.38	54
	00026-00001	12mm Grid: SB60/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.035(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.40	0.22	0.38	54

NFRC Product Certification Authorization Report

Manufacturer: EOSS System Doors and Windows (Shandong) Co., Ltd.
Product Series: ES152 System Sliding Door
Simulation Lab: SATI
Initial Cert. D 024

Street: 7027 Dongtai Road * Dongcheng Street
Product Type: DDSG
Sim. Report #: Q1374.01-116-45 R1
Re-Certifica

City/State/Zip: Weifang, Shandong 262600
Air Leakage:
Sim. Report Date: 09/19/2023
Revised Dat

Print Date: 05/01/2024
Test Date: 01/12/2024
Expiration D 029

CPD Number: ESD-M-3 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00027-00001	No Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/AT	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.33	0.49	54
	00028-00001	9mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/AT	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.29	0.42	54
	00029-00001	12mm Grid: WT116/Argon90/WT116/Argon90/Clear (5mm/5mm/5mm) 43mm IG	AT/AT	3	0.064(2), 0.064(4)	0.551,0.551	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.29	0.42	54
	00030-00001	No Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.20	0.39	54
	00031-00001	9mm Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.18	0.34	54
	00032-00001	12mm Grid: WT172/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.034(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.40	0.18	0.34	54
	00033-00001	No Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.35	0.25	0.42	54
	00034-00001	9mm Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.22	0.37	54
	00035-00001	12mm Grid: SDF178/Argon90/Clear/Argon90/Clear (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.40	0.22	0.37	54
	00036-00001	No Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	N		CL	0.30	0.20	0.33	53
	00037-00001	9mm Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	G	0.75	CL	0.31	0.18	0.29	53
	00038-00001	12mm Grid: SDF178/Argon90/SDF178/Argon90/Planibel (6mm/6mm/6mm) 42mm IG	AT/AT	3	0.052(2), 0.052(4), 0.168(6)	0.472,0.472	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	S	0.75	CL	0.32	0.18	0.29	53

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES152 System Sliding Door	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DDSG	**Sim. Report #:**	Q1374.01-116-45 R1	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	09/19/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/12/2024	**Expiration D**	029

CPD Number: ESD-M-3						IA: National Accreditation And Management Institute									
Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti		SHGC	VT	Cond. Res
	00039-00001	No Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/AT	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.36	0.49	54
	00040-00001	9mm Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/AT	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	C		0.32	0.42	54
	00041-00001	12mm Grid: S116/Argon90/Clear/Argon90/Clear (5mm/6mm/6mm) 41mm IG	AT/AT	3	0.076(2)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	C		0.32	0.42	54
	00042-00001	No Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/AT	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		C		0.19	0.38	54
	00043-00001	9mm Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/AT	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.32	0.17	0.33	54
	00044-00001	12mm Grid: WT172/Argon90/S116/Argon90/Clear (6mm/5mm/5mm) 40mm IG	AT/AT	3	0.034(2), 0.076(4)	0.472,0.472	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.34	0.17	0.33	54
	00045-00001	No Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	N		CL	0.40	0.27	0.45	51
	00046-00001	9mm Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.42	0.24	0.39	51
	00047-00001	12mm Grid: SDF178/Argon90/Clear-Lami (6mm/6mm|152PVB|6mm) 32mm IG	AT/AT	2	0.052(2)	0.472	TS-D	Fill 1: ARG(90/10)	S	0.75	CL	0.52	0.24	0.39	41
	00048-00001	Plani-Lami (6mm|152PVB|6mm) 13mm IG: Plani-Lami (6mm|152PVB|6mm) 13mm IG	AT/AT	1	0.168(2)		N		N		CL	0.63	0.47	0.54	10
	00049-00001	No Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/AT	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	N		CL	0.30	0.15	0.29	54
	00050-00001	9mm Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/AT	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	G	0.75	CL	0.30	0.13	0.25	54

NFRC Product Certification Authorization Report

Manufacturer:	EOSS System Doors and Windows (Shandong) Co., Ltd.	**Product Series:**	ES152 System Sliding Door	**Simulation Lab:**	SATI	**Initial Cert. D**	024
Street:	7027 Dongtai Road * Dongcheng Street	**Product Type:**	DDSG	**Sim. Report #:**	Q1374.01-116-45 R1	**Re-Certifica**	
City/State/Zip:	Weifang, Shandong 262600	**Air Leakage:**		**Sim. Report Date:**	09/19/2023	**Revised Dat**	
Print Date:	05/01/2024			**Test Date:**	01/12/2024	**Expiration D**	029

CPD Number: ESD-M-3 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Ti	SHGC	VT	Cond. Res
	00051-00001	12mm Grid: SB70/Argon95/SB70/Argon95/Planibel (6mm/6mm/6mm) 46mm IG	AT/AT	3	0.018(2), 0.018(4), 0.168(5)	0.551,0.551	TS-D	Fill 1: ARG(95/5) , Fill 2: ARG(95/5)	S	0.75	C	0.13	0.25	54

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Nu
TATI	**01/12/2024**	2000 mm x 2000 mm	0.295	0.282	Q1375.

Comments: N/A

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the bes dge.

Authorized IA Signature: 