

VIG TEST REPORTS SUMMARY -2025

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Product Name: Vacuum Insulating Glass

TEST REPORTS

TEST ITEM	TEST LABS	REPORT NO.	STANDARD	TEST SPECIMEN	SPECIMEN SIZE	RESULT
U VALUE	INTERTEK	P0492.03 -116-25 R1	ASTM C518	10.15S1.16 BASIC	350*350*6pcs	0.498W/M2.K
	CTC	WT2022E09A00378EG1	GB/T 38586-2020	10.15S83 BASIC	300*300* 1PCS	0.610W/M2.K
	UKAS	VIGBASIC 10.3-U1	ISO8301 / EN12667:2001	10.15S1.16 BASIC	300*300*2PCS	0.54W/M2.K
	INTERTEK	P0492.01 -116-25 R1	ASTM C518	6.3 S1.16 PRO	350*350*6pcs	0.470W/M2.K
	INTERTEK	P0492.02 -116-25 R0	ASTM C518	10.3D80 PRO	350*350*6pcs	0.490W/M2.K
Weathering	CTC (Refer IGCC)	WTIGCC2022 -99-5691	ASTM E546/E2188/E2189	8.3 D80 PRO	356*508 *12PCS	PASS
	CTC (Refer IGCC)	WTIGCC2022 -99-5692	ASTM E546/E2188/E2189	4C+12AR+8.3 D80 PRO	356*508 *12PCS	PASS
	CTC (Refer IGCC)	WTIGCC2023 -50-5863	ASTM E546/E2188/E2189	8.15 S1.16 BASIC	356*508 *12PCS	PASS
	DEDAL		EN1279 -5:2018	4 LOW-E+12A+4	352*502*15PCS	PASS
Impact Resistance	DEDAL	J230322002 -1	EN12150 -2:2004	4C FT	1100*360*7PCS,1938*876*8PCS	PASS
	DEDAL		EN12150 -2:2004	5C FT	1100*360*7PCS,1938*876*8PCS	PASS
	DEDAL		EN12150 -2:2004	6C FT	1100*360*7PCS,1938*876*8PCS	PASS
	DEDAL		EN12150 -2:2004	8C FT	1100*360*7PCS,1938*876*8PCS	PASS
	DEDAL		EN12150 -2:2004	10C FT	1100*360*7PCS,1938*876*8PCS	PASS
	INTERTEK	241101127GZU -001	EN12150 -1:2005+A1:2019	10.15 BASIC	1938*876*15PCS,1100*360*10PCS	PASS
	INTERTEK	P0492.06 -119-37	ANSI Z97.1-2015	4 C FT	864*1930 *4PCS	PASS
	INTERTEK	P0492.07 -119-37	ANSI Z97.1-2015	5 C FT	864*1930 *4PCS	PASS
	CTC	WT2022E09A00376EG1	EN12600:2002	10.15S1.16 BASIC		450/1200 Pass
	INTERTEK	241101127GZU -001	EN12150 -1:2005+A1:2019	10.15 BASIC	1938*876*15PCS,1100*360*10PCS	1C3
	TUV	SI500875 001	EN12600:2002	10.15S1.16 PRO	1938*876*12PCS	1C3
	INTERTEK	P0492.04 -119-37 R0	ANSI Z97.1-2015	8.3 D80 PRO	864*1930 *4PCS	PASS
	INTERTEK	P0492.05 -119-37 R0	ANSI Z97.1-2015	10.3 D80 PRO	864*1930 *4PCS	PASS
	INTERTEK	P7579.01 -301-37	ANSI Z97.1-2015	10.15 S1.16 BASIC	864*1930 *4PCS	PASS
	TUV	SI501597 001	EN356:1999	5+1.1EVA+10.15 BASIC	1100*900*4PCS	P1A
	TUV	SI501596 001	EN356:1999	4+1.1EVA+8.15 BASIC	1100*900*4PCS	P1A
Soundproof	CTC	WT2022E09A00377E	ISO 10140 -2: 2021	10.15S1.16 BASIC	1000*1500 * 1PCS	36 (-1: -3)Dbs
Recyclable	SGS	SHAEC22002892501	EU RoHS Directive (EU) 2015/863	Metal Sealing Materials		Pass
Dual PVC Windows Thermal Performance	INTERTEK	P0493.01 -116-46 R0	NFRC 102-2020	10.3 D80 PRO	1194 * 1499mm	0.18Btu/hr.ft2 .F
		P0493.02 -116-46 R0	AAMA 1503-09		1194 * 1499mm	0.18Btu/hr.ft2 .F
		P0494.01 -116-46 R0	NFRC 102-2020		1194 * 1499mm	0.15Btu/hr.ft2 .F
		P0494.02 -116-46 R0	AAMA 1503-09		1194 * 1499mm	0.15Btu/hr.ft2 .F
Dual PVC Windows Structural Performance	INTERTEK	P0706.01 -109-44	ASTM E330/E330M -14(2021)	12.3 PRO	1018 * 1627mm	+3830Pa, -4390Pa(+80psf -90PSF)
Fixed PVC Windows Thermal Performance	INTERTEK	Q1742.01 -116-46 R0	NFRC 102-2020	10.3 D80 PRO	1194 * 1499mm	0.16Btu/hr.ft2 .F
		Q1742.01 -116-46 R0	AAMA 1503-09		1194 * 1499mm	0.16Btu/hr.ft2 .F
		P0496.01 -116-46 R0	NFRC 102-2020		1194 * 1499mm	0.15Btu/hr.ft2 .F
		P0496.02 -116-46 R0	AAMA 1503-09		1194 * 1499mm	0.16Btu/hr.ft2 .F
Fixed PVC Windows Structural Performance	INTERTEK	P0708.01 -109-44	ASTM E330/E330M -14(2021)	12.3 PRO	1524 * 2515mm	±9097 Pa (±190.00 psf)
		P0711.01 -109-44	ASTM E330/E330M -14(2021)	12.3 PRO+12AR+6	1524 * 2515mm	±6703 Pa (±140.00 psf)

GLASS CERTIFICATES

Certification	Code NO.	Glass Type	Thickness	Class	ISSUING DATE
SGCC	9113	TTG	4	A	Sep 5th,2023
	9114	TTG	5	A	
	9115	VIGT -PRO	8	A	
	9116	VIGT -RPO	10	A	
	9126	VIGT -BASIC	10	A	
IGCC	5905	VIGT -PRO	8		Dec 7TH,2023
	5906	Hybrid VIG System -PRO	8+12A+4		
	5863	VIGT - -BASIC	10		
EN12150	314	TTG	4/5/6/8/10		August ,2023
EN1279	326	IGU	2004/12/4		July ,2023
EN14449		LAMI	13.52 17.52 21.52mm		Oct ,2023
					Under Testing

WINDOWS CERTIFICATES

Certification	STANDARDS	Alum Windows Code	MAX SIZE	AAMA RATING	Best U value
NAMI +NFRC	AAMA/WDMA/CSA 101/I.S.2/A440 -17 CSA A440S1 -19 + NFRC 102-2023	VWP91 Picture Window	1500*2500	CW PG60	0.74W/M2.K
		VWP91 Tilt&Turn Window	1200*1800	CW PG50	0.91W/M2.K
		VWP91 Casement Window	1200*1000	CW PG50	1.19W/M2.K
		VWP91 Awning Window	900*1500	CW PG50	1.19W/M2.K
		VWP91 Side Hinged Door	1000*2500	CW PG40	1.02W/M2.K
		VWS70 Picture Window	1500*2500	CW PG60	0.79W/M2.K
		VWS70 Tilt&Turn Window	1200*1800	CW PG50	1.02W/M2.K
		VWS70 Casement Window	1200*1000	CW PG50	1.47W/M2.K
		VWS70 Awning Window	900*1500	CW PG50	1.47W/M2.K
		VWS70 Side Hinged Door	1000*2500	CW PG40	1.25W/M2.K
		VHS 100 Single Hung	1300*2400		Under Testing
		VHD105 Double Hung	1300*2400		