

THERMAL PERFORMANCE DATA for WINDOWS & PATIO DOORS **Replacement & New Construction**

ENERGY STAR® version 6.0

VINYL WINDOWS:

Valid Jaunary 1, 2015 thru December 31, 2015

Slimline Double Hung & Single Hung	Glazing Description Tribute DG 2X Low-E/Argon Tribute HP TG 2X Low-E/Krypton/FOAM Clear Low-E cow-E/Argon - ENERGY STAR® Package Large Project Glazing Package Large Project Glazing Package Clear TG 2X Low-E/Krypton Clear Clear Low-E cow-E/Argon - ENERGY STAR® Package Clear Low-E Clear Low-E		NO GRIDS nal Perforr SHGc 0.27 0.25 0.59 0.31 0.31 0.30 0.27 0.26 0.60 0.31 0.31	nance VT 0.46 0.43 0.62 0.55 0.55 0.55 0.45 0.45 0.45 0.45 0.62 0.55	E Zon N N N N N N	IO GRID nergy Sta e Complia NC NC SC NC NC NC NC	r® ance 		/ITH GRID nal Perform SHGc 0.24 0.22 0.53 0.28 0.28 0.27 0.24 0.24		Energ Zone Co N NC	
Classic Double Hung	Tribute HP TG 2X Low-E/Krypton/FOAM Clear Low-E .ow-E/Argon - ENERGY STAR® Package Large Project Glazing Package TG 2X Low-E/Argon TG 2X Low-E/Krypton Clear Low-E .ow-E/Argon - ENERGY STAR® Package	0.19 0.47 0.33 0.30 0.28 0.24 0.20 0.47 0.34	0.25 0.59 0.31 0.31 0.30 0.27 0.26 0.60 0.31	0.43 0.62 0.55 0.55 0.45 0.45 0.45 0.62 0.56	N N N N	NC SC NC NC NC NC		0.19 0.47 0.33 0.30 0.28 0.25	0.22 0.53 0.28 0.28 0.27 0.24	0.38 0.55 0.49 0.49 0.42 0.40	N NC N NC N NC N NC N NC N NC	SC S SC S
Classic Double Hung	Clear Low-E Low-E/Argon - ENERGY STAR® Package Large Project Glazing Package TG 2X Low-E/Argon TG 2X Low-E/Krypton Clear Low-E Low-E/Argon - ENERGY STAR® Package Clear	0.47 0.33 0.30 0.28 0.24 0.20 0.47 0.34	0.59 0.31 0.31 0.30 0.27 0.26 0.60 0.31	0.62 0.55 0.55 0.45 0.45 0.45 0.62 0.56	 N N N	 NC NC NC		0.47 0.33 0.30 0.28 0.25	0.53 0.28 0.28 0.27 0.24	0.55 0.49 0.49 0.42 0.40	N NC N NC N NC N NC N NC N NC	SC S SC S
Slimline Double Hung	Low-E cow-E/Argon - ENERGY STAR® Package Large Project Glazing Package TG 2X Low-E/Argon TG 2X Low-E/Krypton Clear Low-E cow-E/Argon - ENERGY STAR® Package Clear	0.33 0.30 0.28 0.24 0.20 0.47 0.34	0.31 0.31 0.30 0.27 0.26 0.60 0.31	0.55 0.55 0.45 0.45 0.45 0.62 0.56	N N N	NC NC NC	 	0.33 0.30 0.28 0.25	0.28 0.28 0.27 0.24	0.49 0.49 0.42 0.40	N NC	 SC S
Slimline Double Hung & Single Hung	Low-E/Argon - ENERGY STAR® Package Large Project Glazing Package TG 2X Low-E/Argon TG 2X Low-E/Krypton Clear Low-E Low-E/Argon - ENERGY STAR® Package Clear	0.30 0.28 0.24 0.20 0.47 0.34	0.31 0.30 0.27 0.26 0.60 0.31	0.55 0.55 0.45 0.45 0.62 0.56	N N N	NC NC NC		0.30 0.28 0.25	0.28 0.27 0.24	0.49 0.42 0.40	N NC	 SC S
Slimline Double Hung & Single Hung	Large Project Glazing Package TG 2X Low-E/Argon TG 2X Low-E/Krypton Clear Low-E Low-E/Argon - ENERGY STAR® Package Clear	0.28 0.24 0.20 0.47 0.34	0.30 0.27 0.26 0.60 0.31	0.55 0.45 0.45 0.62 0.56	N N	NC NC		0.28 0.25	0.27 0.24	0.42 0.40	N NC	
& Single Hung	TG 2X Low-E/Argon TG 2X Low-E/Krypton Clear Low-E .ow-E/Argon - ENERGY STAR® Package Clear	0.24 0.20 0.47 0.34	0.27 0.26 0.60 0.31	0.45 0.45 0.62 0.56	Ν	NC		0.25	0.24	0.40	N NC	
& Single Hung	TG 2X Low-E/Krypton Clear Low-E .ow-E/Argon - ENERGY STAR® Package Clear	0.20 0.47 0.34	0.26 0.60 0.31	0.45 0.62 0.56								
& Single Hung	Clear Low-E .ow-E/Argon - ENERGY STAR® Package Clear	0.47 0.34	0.60 0.31	0.62 0.56	N 	NC		0.21	0.24	0.40	N NC	SC S
& Single Hung	Low-E Low-E/Argon - ENERGY STAR® Package Clear	0.34	0.31	0.56								
& Single Hung	.ow-E/Argon - ENERGY STAR® Package Clear							0.47	0.54	0.56		
	Clear	0.30	0.31					0.34	0.28	0.50		
Tribute Commercial Series				0.56	Ν	NC		0.30	0.28	0.50	N NC	
	Low-E	0.47	0.57	0.60				0.47	0.51	0.53		
Double Hung		0.34	0.29	0.53				0.34	0.26	0.47		
	ow-E/Argon - ENERGY STAR® Package	0.30	0.28	0.52	Ν	NC		0.30	0.26	0.46	N NC	
	TG 2X Low-E/Argon	0.25	0.25	0.43		NC SC	S	0.26	0.22	0.38	N NC	SC S
	TG 2X Low-E/Krypton	0.21	0.25	0.43		NC SC		0.22	0.22	0.38	N NC	
Vinyl Casement	Clear	0.44	0.52	0.54				0.44	0.47	0.48		
& Fixed Lite	Low-E	0.33	0.27	0.48				0.33	0.25	0.43		SC S
	.ow-E/Argon - ENERGY STAR® Package	0.30	0.27	0.48	Ν	NC		0.30	0.25	0.43	N NC	
	Tribute DG 2X Low-E/Argon	0.29	0.25	0.43		NC SC	S	0.29	0.23	0.38	N NC	SC S
	TG 2X Low-E/Argon	0.27	0.23	0.39		NC SC		0.29	0.21	0.35	N NC	SC S
	Tribute HP TG 2X Low-E/Krypton	0.23	0.23	0.39		NC SC		0.24	0.21	0.35	N NC	
Vinyl Awning	Clear	0.45	0.52	0.54	T			0.45	0.47	0.48		
g	Low-E	0.33	0.27	0.48				0.33	0.25	0.43		SC S
	.ow-E/Argon - ENERGY STAR® Package	0.30	0.27	0.48	N	NC		0.30	0.25	0.43	N NC	
	Tribute DG 2X Low-E/Argon	0.30	0.25	0.43		NC SC	S	0.30	0.23	0.38	N NC	SC S
	TG 2X Low-E/Argon	0.28	0.23	0.39		NC SC	S	0.29	0.21	0.35	N NC	SC S
	Tribute HP TG 2X Low-E/Krypton	0.23	0.23	0.39		NC SC		0.24	0.21	0.35	N NC	
Vinyl Rolling Window	Clear	0.46	0.59	0.61	T			0.46	0.52	0.54		
	Low-E	0.33	0.31	0.55			1	0.33	0.28	0.48		
	_ow-E/Argon - ENERGY STAR® Package	0.30	0.30	0.55	Ν	NC		0.30	0.20	0.48	N NC	
	Tribute DG 2X Low-E/Argon	0.29	0.28	0.49		NC		0.29	0.26	0.43	N NC	
	TG 2X Low-E/Argon	0.24	0.26	0.43		NC		0.25	0.20	0.39		SC S
	Tribute HP TG 2X Low-E/Krypton	0.20	0.26	0.44		NC	+	0.20	0.24	0.00	N NC	

NOTES:

U-Factor in accordance with NFRC-100 and based on whole window values. Select glass types shown - others types are available subject to special inquiry. Tempered Low-E and Bronze tint glass will affect U-Factor, SHGc and VT values. Obscure glass is treated as Clear glass and shares the same thermal data. Tempered Glass window units may not meet the ENERGY STAR® Criteria. All Patio Door Glazing options are Tempered Glass only.

Test results shown are subject to change without notice due to periodic re-testing.



2015 ENERGY STAR® Qualification Criteria for Climate Zones									
US Climate Zone	U-Factor	SHGc							
N = Northern ¹	≤ 0.30	ANY							
N = Northern ²	= 0.31	≥ 0.35							
N = Northern ³	= 0.32	≥ 0.40							
NC = North-Central	≤ 0.30	≤ 0.40							
SC = South-Central	≤ 0.30	≤ 0.25							
S = Southern	≤ 0.40	≤ 0.25							



THERMAL PERFORMANCE DATA for WINDOWS & PATIO DOORS Replacement & New Construction

ENERGY STAR® version 6.0

VINYL WINDOWS: Continued

Valid Jaunary 1, 2015 thru December 31, 2015

Product Line	Glazing Description		NO GRIDS Thermal Performance Data U SHGc VT		E	NO GRIDS Energy Star® Zone Compliance		WITH GRIDS Thermal Performance Data U SHGc VT			E	/ITH (Energy ne Cor	y Star	-®	
Vinyl Picture Window	Clear	0.44	0.61	0.65					0.44	0.55	0.58				
-	Low-E	0.31	0.31	0.58		NC			0.31	0.28	0.52		NC		
	Low-E/Argon - ENERGY STAR® Package	0.27	0.31	0.58	Ν	NC			0.27	0.28	0.52	N	NC		
	Tribute DG 2X Low-E/Argon	0.26	0.29	0.51	Ν	NC			0.26	0.26	0.46	N	NC		
	TG 2X Low-E/Argon	0.23	0.27	0.46	Ν	NC			0.23	0.24	0.42	N	NC	SC	S
	Tribute HP TG 2X Low-E/Krypton	0.18	0.27	0.46	Ν	NC			0.19	0.24	0.41	N	NC	SC	S
Vinyl Hopper	Clear	0.46	0.55	0.57					0.46	0.50	0.51				
мпуг поррег	Low-E	0.40	0.33	0.57					0.40	0.30	0.31			SC	S
	Low-E/Argon	0.31	0.20	0.50		NC			0.31	0.25	0.46		NC	SC	S
	2X Low-E/Argon DSB - ENERGY STAR® Package	0.30	0.27	0.00	Ν	NC			0.30	0.23	0.40	Ν			S
	Tribute DG 2X Low-E/Argon DSB	0.30	0.26	0.44	N	NC			0.30	0.23	0.40	N		SC	S
	0.25	0.24	0.41	N	NC		S	0.26	0.22	0.37	N	NC	SC	S	
	TG 2X Low-E/Argon Tribute HP TG 2X Low-E/Krypton	0.21	0.24	0.41	Ν	NC		S	0.22	0.22	0.37	N		SC	S
Vinyl Designer Shape	Clear	0.46	0.66	0.71					0.46	0.60	0.64				
·	Low-E	0.32	0.34	0.63		NC			0.32	0.31	0.57		NC		
	Low-E/Argon - ENERGY STAR® Package	0.28	0.34	0.63	Ν	NC			0.28	0.31	0.57	Ν	NC		
	2X Low-E/Argon	0.27	0.32	0.56	Ν	NC			0.27	0.29	0.50	Ν	NC		
	Tribute DG 2X Low-E/Argon	0.27	0.32	0.56	Ν	NC			0.27	0.29	0.50	N	NC		
				0.70			- r	_		0.50					r
Vinyl Deadlite	Clear	0.48	0.66	0.70					0.48	0.59	0.63				
		0.34	0.34	0.62					0.34	0.31	0.56				
	Low-E/Argon - ENERGY STAR® Package	0.30	0.34	0.62	N	NC			0.30	0.30	0.56	N	NC		
	2X Low-E/Argon	0.29	0.32	0.55	N	NC			0.29	0.29	0.50	N	_		
	Tribute HP 2X Low-E/Argon	0.29	0.32	0.55	N	NC			0.29		0.50	N	NC		
	TG 2X Low-E/Argon	0.26	0.29	0.50	N	NC			0.28	0.26	0.45	N	NC		
	Tribute HP TG 2X Low-E/Krypton	0.20	0.29	0.50	Ν	NC			0.21	0.20	0.45	N	NC		

VINYL IMPACT RATED WINDOWS & DOORS:

Product Line	Glazing Description
Vigilance Double Hung	Low-E/Argon - ENERGY STAR® Package
Vigilance Casement	Low-E/Argon - ENERGY STAR® Package
Vigilance Awning	Low-E/Argon - ENERGY STAR® Package
Vigilance Picture Window *	Low-E/Argon - ENERGY STAR® Package
Vigilance Patio Door	366 Low-E/Argon - ENERGY STAR® Package

* Vigilance Picture Window is available as a Replacement Frame unit only.

NOTES:

U-Factor in accordance with NFRC-100 and based on whole window values. Select glass types shown - others types are available subject to special inquiry. Tempered Low-E and Bronze fint glass will affect U-Factor, SHCc and VT values. Obscure glass is treated as Clear glass and shares the same thermal data. Tempered Class <u>window</u> units may not meet the ENERGY STAR® Criteria. All Patio Door Glazing options are Tempered Glass only.

Test results shown are subject to change without notice due to periodic re-testing.



NO GRIDS

Thermal Performance Data

SHGc

0.28

0.27

0.27

0.35

0.17

VT

0.51

0.47

0.47

0.56

0.39

U

0.30

0.29

0.30

0.27

0.27

Valid Jaunary	1.	2015 t	hru l	December	31.	2015
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NO GRIDS

Energy Star®

Zone Compliance

		/ITH GRID Performar SHGc	-	WITH GRIDS Energy Star® Zone Compliance			
	0.30	0.25	0.45	Ν	NC	SC	S
·	0.29	0.24	0.42	Ν	NC	SC	S
·	0.30	0.24	0.42	Ν	NC	SC	S
·	0.27	0.32	0.50	Ν	NC		
	0.27	0.15	0.34	Ν	NC	SC	S

2015 ENERGY STAR® Qualification Criteria for Climate Zones									
US Climate Zone	U-Factor	SHGc							
N = Northern ¹	≤ 0.30	ANY							
N = Northern ²	= 0.31	≥ 0.35							
N = Northern ³	= 0.32	≥ 0.40							
NC = North-Central	≤ 0.30	≤ 0.40							
SC = South-Central	≤ 0.30	≤ 0.25							
S = Southern	≤ 0.40	≤ 0.25							



NO GRIDS

Energy Star®

Zone Compliance

NC

NIC

NO GRIDS

Energy Star®

NO GRIDS

Thermal Performance Data

MAJESTY WOOD WINDOWS:

Product Line	Glazing Description		NO GRIDS Thermal Performance Da U SHGc VT			
Majesty Double Hung	2X Low-E/Argon - ENERGY STAR® Package	Γ	0.30	0.26	0.46	
Majesty Picture Window	2X Low-E/Argon - ENERGY STAR® Package	Ī	0.28	0.28	0.48	
Majesty Casement,	2X Low-E/Argon	Γ	0.36	0.26	0.45	
Awning & Fixed Lite TG 2X Low-E/Krypton - ENERGY STAR® Package				0.24	0.41	

Valid Jaunary 1, 2015 thru December 31, 2015

e		VITH GRID I Performa SHGc	-	E	/ITH Energy ne Co	/ Star	8
	0.30	0.24	0.41	Ν	NC	SC	S
	0.28	0.25	0.43	Ν	NC	SC	S
	0.36	0.24	0.41				S
S	0.28	0.22	0.37	Ν	NC	SC	S

VINYL PATIO DOORS:

Valid Jaunary 1, 2015 thru December 31, 2015

WITH GRIDS

Thermal Performance

Product Line	Glazing Description
Vinyl Patio Door	Clear
Stock/Standard size	** Blinds Between Glass - Low-E
All Glazing is Tempered	Low-E
All Values are for 3.0mm Glass	Low-E/Argon - ENERGY STAR® Package
	2X Low-E/Argon
	Tribute DG 2X Low-E/Argon
	TG 2X Low-E/Argon
	Tribute HP TG 2X Low-E/Krypton
Vinyl Patio Door	Clear
Custom Size	Low-E
All Glazing is Tempered	Low-E/Argon - ENERGY STAR® Package
All Values are for 3.0mm Glass	2X Low-E/Argon
	Tribute DG 2X Low-E/ARG
	TG 2X Low-E/Argon
	Tribute HP TG 2X Low-E/Krypton

U	SHGc	VT	Zoi	ne Co	mplia	nce	
							_
0.46	0.56	0.60					(
0.35	0.26	0.48		-		-	
0.33	0.29	0.53				-	(
0.30	0.29	0.53	Ν	NC		-	(
0.30	0.27	0.47	Ν	NC		-	(
0.30	0.27	0.47	Ν	NC			(
0.25	0.25	0.43	Ν	NC	SC	S	(
0.21	0.25	0.43	Ν	NC	SC	S	(
0.46	0.56	0.60					(
0.33	0.29	0.52				-	(
0.29	0.29	0.52	Ν	NC		-	(
0.29	0.27	0.45	Ν	NC			(
0.29	0.27	0.45	Ν	NC			(
0.25	0.25	0.41	Ν	NC	SC	S	(
0.20	0.25	0.41	Ν	NC	SC	S	(

U	SHGc	VT	Zone Compliance			
			_			
0.46	0.49	0.52				
	N/A		N/A			
0.33	0.25	0.46		-	1	1
0.30	0.25	0.46	Ν	NC	SC	S
0.30	0.24	0.41	Ν	NC	SC	S
0.30	0.24	0.41	Ν	NC	SC	S
0.27	0.22	0.37	Ν	NC	SC	S
0.21	0.22	0.37	Ν	NC	SC	S
0.46	0.49	0.52				
0.33	0.25	0.45				
0.29	0.25	0.45	Ν	NC	SC	S
0.29	0.24	0.39	Ν	NC	SC	S
0.29	0.24	0.39	Ν	NC	SC	S
0.26	0.22	0.35	Ν	NC	SC	S
0.21	0.22	0.35	Ν	NC	SC	S

WITH GRIDS

rav Star

** Note: Blinds Between Glass are available on Standard Size 2, 3 & 4 Lite doors that use a 3' panel width (6068, 9068 & 12068 door sizes).

Indicates Tempered Glass

NOTES:

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N = Northern ¹	≤ 0.30	ANY		
N = Northern ²	= 0.31	≥ 0.35		
N = Northern ³	= 0.32	≥ 0.40		
NC = North-Central	≤ 0.30	≤ 0.40		
SC = South-Central	≤ 0.30	≤ 0.25		
S = Southern	≤ 0.40	≤ 0.25		



THERMAL PERFORMANCE DATA for WINDOWS & PATIO DOORS Replacement & New Construction ENERGY STAR® version 6.0

ACOUSTICAL INSULATING WINDOWS:

Valid Jaunary 1, 2015 thru December 31, 2015

ACOUSTICAL	INSULATING WINDOWS:		Valid Jaunary 1, 2015 thru December 31, 2015				
	NO GRIDS		NO GRIDS	WITH GRIDS	WITH GRIDS		
Product Line	Glazing Description		l Performa		Energy Star®	Thermal Performance Data	Energy Star®
		U	SHGc	VT	Zone Compliance	U SHGc VT	Zone Compliance
Classic Double Hung	Clear	0.46	0.54	0.60		0.46 0.49 0.54	
STC = 35	Low-E	0.34	0.35	0.54		0.34 0.32 0.48	
	Low-E/Argon - ENERGY STAR® Package	0.31	0.35	0.54	N	0.31 0.32 0.48	
	<u>,</u>	0.47	0.55	0.04			
Slimline Double Hung	Clear	0.47	0.55	0.61		0.47 0.49 0.54	
& Single Hung	Low-E	0.34	0.36	0.54		0.34 0.32 0.48	
STC = 35	Low-E/Argon - ENERGY STAR® Package	0.31	0.36	0.54	N	0.31 0.32 0.48	
Acoustic	Clear	0.34	0.49	0.53		0.34 0.44 0.47	
Double Hung	Low-E - ENERGY STAR® Package	0.26	0.28	0.47	N NC	0.26 0.25 0.42	N NC SC S
STC = 40	Low-E/Argon - ENERGY STAR® Package	0.25	0.28	0.47	N NC	0.25 0.25 0.42	N NC SC S
Acoustic	Clear	0.34	0.47	0.52		0.34 0.42 0.46	
Double Hung	Low-E - ENERGY STAR® Package	0.27	0.29	0.32	N NC	0.27 0.26 0.41	N NC
STC = 44	Low-E/Argon - ENERGY STAR® Package	0.27	0.28	0.46	N NC	0.25 0.25 0.41	N NC SC S
	· · ·						
Acoustic	Clear	0.43	0.47	0.52		0.43 0.43 0.47	
Casement Window	Low-E	0.32	0.31	0.46		0.32 0.28 0.42	
STC = 35	Low-E/Argon - ENERGY STAR® Package	0.30	0.31	0.46	N NC	0.30 0.28 0.42	N NC
Acoustic	Clear	0.31	0.39	0.43	N NC	0.31 0.35 0.39	N NC
Casement Window	Low-E - ENERGY STAR® Package	0.25	0.22	0.38	N NC SC S	0.25 0.20 0.34	N NC SC S
STC = 40	Low-E/Argon - ENERGY STAR® Package	0.23	0.22	0.38	N NC SC S	0.23 0.20 0.34	N NC SC S
Acoustic	Clear	0.31	0.54	0.59	N	0.31 0.49 0.53	N
Picture Window	Low-E - ENERGY STAR® Package	0.23	0.34	0.53	N NC	0.23 0.28 0.47	N NC
STC = 40	Low-E/Argon - ENERGY STAR® Package	0.23	0.31	0.52	N NC	0.21 0.28 0.47	N NC
	LOW-LIAIGUI - LINEINGT STAINET ackage						
Acoustic	Clear	0.31	0.54	0.59	N	0.31 0.48 0.53	N
Picture Window	Low-E - ENERGY STAR® Package	0.24	0.31	0.51	N NC	0.24 0.28 0.45	N NC
STC = 44	Low-E/Argon - ENERGY STAR® Package	0.22	0.31	0.52	N NC	0.22 0.28 0.47	N NC
Acoustic	Clear	0.49	0.57	0.62]	0.49 0.51 0.56	
Rolling Window	Low-E	0.36	0.37	0.55		0.36 0.33 0.49	
STC = 35	Low-E/Argon	0.32	0.37	0.55		0.32 0.33 0.49	
Acoustic	Clear	0.34	0.51	0.55		0.34 0.45 0.49	
Rolling Window	Low-E - ENERGY STAR® Package	0.34	0.51	0.55	N NC	0.34 0.45 0.49	
STC = 40 (2- and 3-Lite)	Low-E/Argon - ENERGY STAR® Package	0.27	0.29	0.46	N NC N NC		N NC SC S
	LOW-E/AIGON - ENERGY STARE Fackage						
Acoustic Rolling Window	Clear/Argon	0.34	0.47	0.53		0.34 0.42 0.47	
STC = 44 (2- and 3-Lite)	Low-E/Argon - ENERGY STAR® Package	0.25	0.28	0.47	N NC	0.25 0.25 0.42	N NC SC S
Acoustic	Clear	0.46	0.50	0.55		0.46 0.45 0.50	
Hopper Window	Low-E	0.34	0.32	0.49		0.34 0.29 0.44	
STC = 33	Low-E/Argon	0.31	0.32	0.49	NC	0.31 0.29 0.44	NC
	Low-E/Krypton - ENERGY STAR® Package	0.30	0.32	0.49	N NC	0.30 0.29 0.44	N NC
		0.00	0.02	0.10		0.00 0.20 0.77	

NOTES:

U-Factor in accordance with NFRC-100 and based on whole window values. Select glass types shown - others types are available subject to special inquiry. Tempered Low-E and Bronze tint glass will affect U-Factor, SHGc and VT values. Obscure glass is treated as Clear glass and shares the same thermal data. Tempered Glass <u>window</u> units may not meet the ENERGY STAR® Criteria. All Patio Door Glazing options are Tempered Glass only.

Test results shown are subject to change without notice due to periodic re-testing.



2015 ENERGY STAR® Qualification Criteria for Climate Zones				
US Climate Zone	U-Factor	SHGc		
N = Northern ¹	≤ 0.30	ANY		
N = Northern ²	= 0.31	≥ 0.35		
N = Northern ³	= 0.32	≥ 0.40		
NC = North-Central	≤ 0.30	≤ 0.40		
SC = South-Central	≤ 0.30	≤ 0.25		
S = Southern	≤ 0.40	≤ 0.25		



Zone compliance based on ENERGY STAR[®] Qualification Criteria outlined below effective January 1, 2015. For more ENERGY STAR[®] information visit www.energystar.gov

2015 ENERGY STAR® Qualification Criteria for Windows

United States Climate Zones	U-Factor	SHGc	
Northern ¹	<= 0.30	ANY	Prescriptive
Northern ²	= 0.31	>= 0.35	Equivalent Energy
Northern ³	= 0.32	>= 0.40	Performance
North-Central	<= 0.30	<= 0.40	
South-Central	<= 0.30	<= 0.25	
Southern	<= 0.40	<= 0.25	

Northern Zone windows can meet the prescriptive (Northern¹ <=0.30/Any) criteria or the

Equivalent Energy Performance (Northern² or Northern³) criteria to qualify for ENERGY STAR®.

2015 ENERGY STAR® Qualification Criteria for Doors

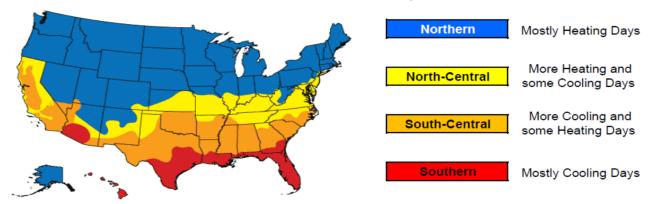
United States Climate Zones		U-Factor	SHGc	
Opaque (no glass)		< = 0.17	No Rating	
< = 1/2 Lite of glass		<= 0.25	<= 0.30	
> 1/2 Lite of glass	Northern		<= 0.40	
	North-Central	<= 0.30		
	South-Central	~= 0.50	<= 0.25	
	Southern			

Door criteria shown applies to doors in all four Energy Star Climate Zones.

Opaque doors do not have any glass.

<= 1/2 Lite refers to doors where no more than 1/2 the door has glass.

> 1/2 Lite refers to doors where more than half the door has glass.



2015 ENERGY STAR® Climate Zone Map - United States

Source: ENERGY STAR® Program Requirements for Windows, Doors and Skylights: Version 6.0 (January 1, 2015)