



Vinyl Impact Windows and Doors

ENERGY PERFORMANCE GUIDE

		LAMINATED INSULATING GLASS ENERGYSHIELD LOW-E AND ARGON FILLED				LAMINATED INSULATING GLASS ENERGYSHIELD MAX LOW-E AND ARGON FILLED			
		WITH CLEAR GLASS		WITH GRAY TINTED GLASS		WITH CLEAR GLASS		WITH GRAY TINTED GLASS	
WINGUARD VINYL - ARGON FILLED		NO GRIDS	GRIDS	NO GRIDS	GRIDS	NO GRIDS	GRIDS	NO GRIDS	GRIDS
PRODUCT	ENERGY CRITERIA	PERFORMANCE		PERFORMANCE		PERFORMANCE		PERFORMANCE	
SINGLE HUNG (SH5500)	U-Factor	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.30	0.27	0.21	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.54	0.48	0.36	0.32	0.47	0.42	0.31	0.28
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
DOUBLE HUNG (DH5560)	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	1	1	1	1
	U-Factor	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Solar Heat Gain Coefficient (SHGC)	0.29	0.26	0.28	0.25	0.20	0.18	0.19	0.17
	Visible Light Transmittance (VT)	0.51	0.45	0.34	0.30	0.44	0.39	0.30	0.26
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
HORIZONTAL ROLLER (HR5510)	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	1	1	1	1
	U-Factor	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.20	0.18	0.19	0.18
	Visible Light Transmittance (VT)	0.53	0.47	0.35	0.31	0.46	0.41	0.31	0.27
CASEMENT (CA5540)	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	1, 2	NONE	1, 2	1, 2	1, 2	1, 2	1, 2
	U-Factor	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28
	Solar Heat Gain Coefficient (SHGC)	0.26	0.23	0.25	0.23	0.17	0.16	0.17	0.16
AWNING (AW5540)	Visible Light Transmittance (VT)	0.45	0.40	0.30	0.27	0.39	0.35	0.26	0.23
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	1	NONE	1	1, 2	1, 2	1, 2	1, 2
	U-Factor	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24
PICTURE WINDOW/ ARCHITECTURAL (PW/AR5520)	Solar Heat Gain Coefficient (SHGC)	0.33	0.30	0.32	0.29	0.22	0.20	0.22	0.20
	Visible Light Transmittance (VT)	0.60	0.53	0.40	0.36	0.52	0.46	0.35	0.31
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	3	3	3	3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
PICTURE WINDOW/ ARCHITECTURAL (PW/AR5540)	U-Factor	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.20	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.54	0.48	0.36	0.32	0.47	0.42	0.31	0.28
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
FRENCH DOOR (FD5555)	ENERGY STAR® v7.0 Climate Zone	3	3	3	3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
	U-Factor	0.31	0.31	0.31	0.31	0.30	0.30	0.30	0.30
	Solar Heat Gain Coefficient (SHGC)	0.24	0.21	0.23	0.20	0.16	0.14	0.16	0.14
	Visible Light Transmittance (VT)	0.41	0.35	0.27	0.23	0.36	0.30	0.24	0.20
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
SIDELITES/ TRANSOMS+ (FD5555)	2020 Florida Energy Code (Residential Prescriptive)	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28
	Solar Heat Gain Coefficient (SHGC)	0.24	0.21	0.23	0.21	0.16	0.15	0.16	0.14
	Visible Light Transmittance (VT)	0.41	0.36	0.23	0.21	0.36	0.32	0.20	0.18
SLIDING GLASS DOOR* (SGD5570)	Center of Glass Visible Transmittance (COG VT)	0.70	0.70	0.40	0.40	0.61	0.61	0.34	0.34
	2020 Florida Energy Code (Residential Prescriptive)	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
	Solar Heat Gain Coefficient (SHGC)	0.27	0.24	0.26	0.23	0.19	0.17	0.18	0.16
SLIDING GLASS DOOR (SGD5570)	Visible Light Transmittance (VT)	0.48	0.41	0.27	0.23	0.44	0.38	0.25	0.21
	Center of Glass Visible Transmittance (COG VT)	0.69	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	ALL FLORIDA	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	1, 2	1, 2	1, 2	1, 2	1, 2
	U-Factor	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31
SLIDING GLASS DOOR (SGD5570NS)	Solar Heat Gain Coefficient (SHGC)	0.27	0.24	0.26	0.23	0.19	0.17	0.18	0.16
	Visible Light Transmittance (VT)	0.48	0.41	0.27	0.23	0.44	0.38	0.25	0.21
	Center of Glass Visible Transmittance (COG VT)	0.69	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	ALL FLORIDA	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
SLIDING GLASS DOOR (SGD5570NS)	U-Factor	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.21	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.53	0.46	0.30	0.26	0.49	0.43	0.27	0.24
	Center of Glass Visible Transmittance (COG VT)	0.59	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
SLIDING GLASS DOOR (SGD5570NS)	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.21	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.53	0.46	0.30	0.26	0.49	0.43	0.27	0.24
	Center of Glass Visible Transmittance (COG VT)	0.59	0.69	0.39	0.39	0.63	0.63	0.36	0.36
SLIDING GLASS DOOR (SGD5570NS)	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.21	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.53	0.46	0.30	0.26	0.49	0.43	0.27	0.24
SLIDING GLASS DOOR (SGD5570NS)	Center of Glass Visible Transmittance (COG VT)	0.59	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.21	0.19	0.20	0.18
SLIDING GLASS DOOR (SGD5570NS)	Visible Light Transmittance (VT)	0.53	0.46	0.30	0.26	0.49	0.43	0.27	0.24
	Center of Glass Visible Transmittance (COG VT)	0.59	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SLIDING GLASS DOOR (SGD5570NS)	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.21	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.53	0.46	0.30	0.26	0.49	0.43	0.27	0.24
	Center of Glass Visible Transmittance (COG VT)	0.59	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

Energy Performance shown above is for the best thermally performing glass option per product line. Other glass options may vary.

ENERGY STAR v7.0 Climate Zones: 1 = Southern, 2 = South-Central, 3 = North-Central, 4 = Northern

See Technical Guide for detailed product information

*Full Frame shown, other Sidelite Frames vary

*Max Energy Composite Reinforcement

		INSULATED DOUBLE STRENGTH GLASS ENERGYSHIELD LOW-E AND AIR FILLED				INSULATED DOUBLE STRENGTH GLASS ENERGYSHIELD MAX LOW-E AND AIR FILLED			
		WITH CLEAR GLASS		WITH GRAY TINTED GLASS		WITH CLEAR GLASS		WITH GRAY TINTED GLASS	
WINGUARD VINYL - AIR FILLED		NO GRIDS	GRIDS	NO GRIDS	GRIDS	NO GRIDS	GRIDS	NO GRIDS	GRIDS
PRODUCT	ENERGY CRITERIA	PERFORMANCE		PERFORMANCE		PERFORMANCE		PERFORMANCE	
SINGLE HUNG (SH5500)	U-Factor	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32
	Solar Heat Gain Coefficient (SHGC)	0.31	0.28	0.29	0.26	0.21	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.54	0.48	0.36	0.32	0.47	0.42	0.31	0.28
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
DOUBLE HUNG (DH5560)	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	1	1	1	1
	U-Factor	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34
	Solar Heat Gain Coefficient (SHGC)	0.29	0.26	0.28	0.25	0.20	0.18	0.19	0.17
	Visible Light Transmittance (VT)	0.51	0.45	0.34	0.30	0.44	0.39	0.30	0.26
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
HORIZONTAL ROLLER (HR5510)	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.20	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.53	0.47	0.35	0.31	0.46	0.41	0.31	0.27
CASEMENT (CA5540)	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	1	1	1	1	1
	U-Factor	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Solar Heat Gain Coefficient (SHGC)	0.26	0.24	0.25	0.23	0.18	0.16	0.17	0.16
AWNING (AW5540)	Visible Light Transmittance (VT)	0.45	0.40	0.30	0.27	0.39	0.35	0.26	0.23
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	1	1	1	1	1
	U-Factor	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
PICTURE WINDOW/ ARCHITECTURAL (PW/AR5520)	Solar Heat Gain Coefficient (SHGC)	0.34	0.30	0.32	0.29	0.23	0.21	0.22	0.20
	Visible Light Transmittance (VT)	0.60	0.53	0.40	0.36	0.52	0.46	0.35	0.31
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	1	1	1	1
PICTURE WINDOW/ ARCHITECTURAL (PW/AR5540)	U-Factor	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
	Solar Heat Gain Coefficient (SHGC)	0.31	0.27	0.29	0.26	0.21	0.19	0.20	0.18
	Visible Light Transmittance (VT)	0.54	0.48	0.36	0.32	0.47	0.42	0.31	0.28
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
FRENCH DOOR (FD5555)	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	1	1	1	1
	U-Factor	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
	Solar Heat Gain Coefficient (SHGC)	0.24	0.21	0.23	0.20	0.16	0.14	0.16	0.14
	Visible Light Transmittance (VT)	0.41	0.35	0.27	0.23	0.36	0.30	0.24	0.20
	Center of Glass Visible Transmittance (COG VT)	0.71	0.71	0.48	0.48	0.62	0.62	0.41	0.41
SIDELITES/ TRANSOMS+ (FD5555)	2020 Florida Energy Code (Residential Prescriptive)	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Solar Heat Gain Coefficient (SHGC)	0.24	0.21	0.23	0.21	0.17	0.15	0.16	0.14
	Visible Light Transmittance (VT)	0.41	0.36	0.23	0.21	0.36	0.32	0.20	0.18
SLIDING GLASS DOOR* (SGD5570)	Center of Glass Visible Transmittance (COG VT)	0.70	0.70	0.40	0.40	0.61	0.61	0.34	0.34
	U-Factor	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31
	Solar Heat Gain Coefficient (SHGC)	0.27	0.24	0.26	0.23	0.19	0.17	0.18	0.16
	Visible Light Transmittance (VT)	0.48	0.41	0.27	0.23	0.44	0.38	0.25	0.21
	Center of Glass Visible Transmittance (COG VT)	0.69	0.69	0.39	0.39	0.63	0.63	0.36	0.36
SLIDING GLASS DOOR (SGD5570)	2020 Florida Energy Code (Residential Prescriptive)	NONE	ALL FLORIDA	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
	Solar Heat Gain Coefficient (SHGC)	0.27	0.24	0.26	0.23	0.19	0.17	0.18	0.16
	Visible Light Transmittance (VT)	0.48	0.41	0.27	0.23	0.44	0.38	0.25	0.21
SLIDING GLASS DOOR (SGD5570NS)	Center of Glass Visible Transmittance (COG VT)	0.69	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
	Solar Heat Gain Coefficient (SHGC)	0.30	0.27	0.29	0.26	0.21	0.19	0.20	0.18
SLIDING GLASS DOOR (SGD5570NS)	Visible Light Transmittance (VT)	0.53	0.46	0.30	0.26	0.49	0.43	0.27	0.24
	Center of Glass Visible Transmittance (COG VT)	0.69	0.69	0.39	0.39	0.63	0.63	0.36	0.36
	2020 Florida Energy Code (Residential Prescriptive)	NONE	NONE	NONE	NONE	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA	ALL FLORIDA
	ENERGY STAR® v7.0 Climate Zone	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	U-Factor	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37

Energy Performance shown above is for the best thermally performing glass option per product line. Other glass options may vary.

ENERGY STAR v7.0 Climate Zones: 1 = Southern, 2 = South-Central, 3 = North-Central, 4 = Northern

See Technical Guide for detailed product information

*Full Frame shown, other Sidelite Frames vary

*Max Energy Composite Reinforcement