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NFRC Ratings Summary

rendered to:

The American Window Alliance

This document represents a summary of NFRC simulation results for the American Window Alliance products, to simplify this data only the following values are given:

- ◆ Residential unit sizes
- ◆ Clear (untinted) DSB glass
- ◆ Low emissivity coatings (where applicable) are located on glazing surface #2
- ◆ ¾" wide grids

The U Factors given apply to units both with and without grids.

Product	U Factor	SHGC No Grids / Grids
Hawthorne Double Hung (DT Model 141.094/.194DH)		
– Uncoated IG, Air	0.49	0.57 / 0.52
– Uncoated IG, Argon	0.47	0.57 / 0.52
– Cardinal “E172”, Air	0.36	0.32 / 0.29
– Cardinal “E172”, Argon	0.32	0.32 / 0.29
– AFG “Comfort Ti-AC”, Air	(not rated)	(not rated)
– AFG “Comfort Ti-AC”, Argon	0.32	0.30 / 0.28
– AFG “Comfort Ti-R”, Air	0.35	0.36 / 0.33
– AFG “Comfort Ti-R”, Argon	0.32	0.36 / 0.33
Hawthorne Horizontal Slider (DT Model 141.094HS)		
– Uncoated IG, Air	0.48	0.56 / 0.50
– Uncoated IG, Argon	0.46	0.56 / 0.50
– Cardinal “E172”, Air	0.34	0.31 / 0.28
– Cardinal “E172”, Argon	0.31	0.31 / 0.28
– AFG “Comfort Ti-AC”, Air	(not rated)	(not rated)
– AFG “Comfort Ti-AC”, Argon	0.31	0.29 / 0.27
– AFG “Comfort Ti-R”, Air	0.34	0.35 / 0.32
– AFG “Comfort Ti-R”, Argon	0.31	0.35 / 0.32



Product	U Factor	SHGC No Grids / Grids
Windgate Single Hung (DT 142.094 SH) – Uncoated IG, Air – Uncoated IG, Argon – Cardinal “E172”, Air – Cardinal “E172”, Argon – AFG “Comfort Ti-AC”, Air – AFG “Comfort Ti-AC”, Argon – AFG “Comfort Ti-R”, Air – AFG “Comfort Ti-R”, Argon	0.49 0.47 0.35 0.31 (not rated) 0.31 0.35 0.31	0.59 / 0.54 0.59 / 0.54 0.33 / 0.30 0.33 / 0.30 (not rated) 0.31 / 0.29 0.37 / 0.34 0.37 / 0.34
Windgate / Belmont Double Hung (DT 142.094 / .194 DH) – Uncoated IG, Air – Uncoated IG, Argon – Cardinal “E172”, Air – Cardinal “E172”, Argon – AFG “Comfort Ti-AC”, Air – AFG “Comfort Ti-AC”, Argon – AFG “Comfort Ti-R”, Air – AFG “Comfort Ti-R”, Argon	0.49 0.47 0.35 0.32 (not rated) 0.32 0.35 0.32	0.58 / 0.52 0.58 / 0.52 0.32 / 0.29 0.32 / 0.29 (not rated) 0.31 / 0.28 0.36 / 0.33 0.36 / 0.33
Windgate Single Slider (DT 142.094 SS) – Uncoated IG, Air – Uncoated IG, Argon – Cardinal “E172”, Air – Cardinal “E172”, Argon – AFG “Comfort Ti-AC”, Air – AFG “Comfort Ti-AC”, Argon – AFG “Comfort Ti-R”, Air – AFG “Comfort Ti-R”, Argon	0.49 0.47 0.35 0.31 (not rated) 0.31 0.35 0.31	0.55 / 0.50 0.55 / 0.50 0.31 / 0.28 0.31 / 0.28 (not rated) 0.29 / 0.27 0.35 / 0.32 0.35 / 0.32

Product	U Factor	SHGC No Grids / Grids
Hawthorne / Windgate / Belmont PW (DT 142.000 PW)	0.49	0.62 / 0.57
– Uncoated IG, Air	0.47	0.62 / 0.57
– Uncoated IG, Argon	0.34	0.34 / 0.31
– Cardinal “E172”, Air	0.30	0.34 / 0.31
– Cardinal “E172”, Argon	(not rated)	(not rated)
– AFG “Comfort Ti-AC”, Air	0.30	0.33 / 0.31
– AFG “Comfort Ti-AC”, Argon	0.33	0.39 / 0.36
– AFG “Comfort Ti-R”, Air	0.30	0.39 / 0.36
– AFG “Comfort Ti-R”, Argon		
Casement / Awning (DT 141.194 CA / AW)		
– Uncoated IG, Air	0.45	0.56 / 0.51
– Uncoated IG, Argon	0.43	0.56 / 0.51
– Cardinal “E172”, Air	0.32	0.31 / 0.28
– Cardinal “E172”, Argon	0.29	0.31 / 0.28
– AFG “Comfort Ti-AC”, Air	(not rated)	(not rated)
– AFG “Comfort Ti-AC”, Argon	0.29	0.29 / 0.27
– AFG “Comfort Ti-R”, Air	0.32	0.35 / 0.32
– AFG “Comfort Ti-R”, Argon	0.29	0.35 / 0.31
Casement Picture Window (DT 141.194 PW)		
– Uncoated IG, Air	0.46	0.62 / 0.56
– Uncoated IG, Argon	0.45	0.62 / 0.56
– Cardinal “E172”, Air	0.31	0.34 / 0.31
– Cardinal “E172”, Argon	0.28	0.34 / 0.31
– AFG “Comfort Ti-AC”, Air	(not rated)	(not rated)
– AFG “Comfort Ti-AC”, Argon	0.28	0.32 / 0.30
– AFG “Comfort Ti-R”, Air	0.31	0.39 / 0.35
– AFG “Comfort Ti-R”, Argon	0.28	0.39 / 0.35