



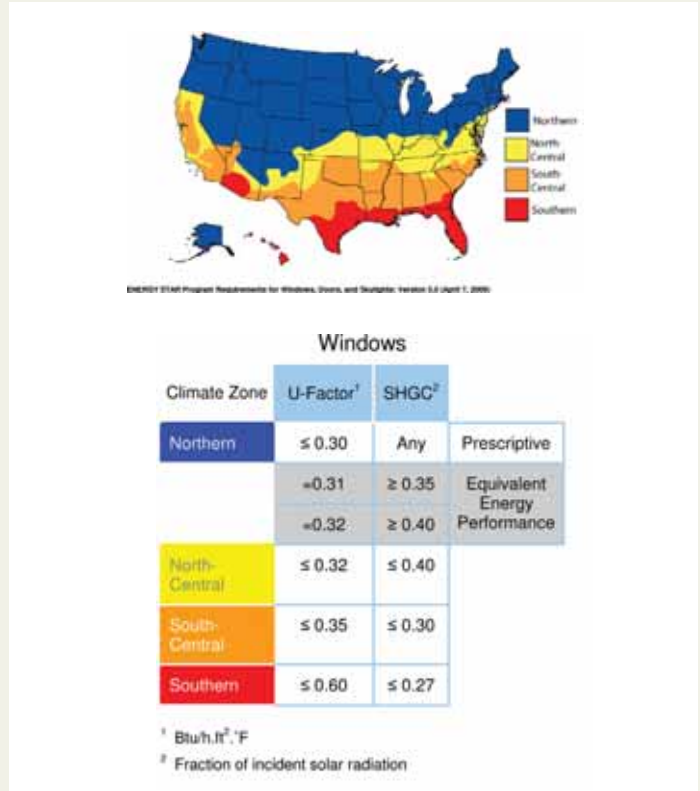
Performance Data for Krestmark Impact Vinyl 4000 Series

Energy Star® Qualification Criteria for Residential Windows

Energy Star® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

Results are already adding up. Americans, with the help of Energy Star, saved enough energy in 2008 alone to avoid greenhouse gas emissions equivalent to those from 29 million cars — all while saving \$19 billion on their utility bills.

The Energy Star performance criteria for windows and doors is different depending on what region of the country the product is being tested. Below is the Energy Star climate map and corresponding requirements for each region.



Covered by one or more U.S. Patents: D608,906; D608,907; D608,908; D608,909; D608,910; and D608,911.

Performance Data for Krestmark Impact Vinyl 4000 Series							
Glass		Single Hung			Picture Window		
Dual 3/4" OA Insulated		U-Factor	SHGC	VT	U-Factor	SHGC	VT
Clear air	no grilles	.47	.61	.67	.47	.67	.73
Clear air	w/ grilles	.48	.55	.60	.48	.60	.66
E70 LoE air	no grilles	.34	.31	.57	.32	.33	.62
E70 LoE air	w/grilles	.35	.28	.51	.34	.30	.56
E40 LoE air	no grilles	.34	.22	.32	.33	.24	.35
E40 LoE air	w/grilles	.36	.20	.29	.34	.22	.32
E66 LoE air	no grilles	.34	.23	.52	.32	.25	.55
E66 LoE air	w/grilles	.35	.21	.47	.34	.23	.52

