



## Window Performance Comparison Guide

Window Type	R-Value =1/U-Value	U-Value
Single-Pane, Aluminum Frame	0.9	1.08
Single-Pane, Wood	1.0	0.98
Glass Block, 6 Inch	1.1	0.88
Double-Pane/Aluminum Frame, No Thermal Break	1.2	0.81
Average Installed Window in the United States	1.2	0.81
Double-Pane/Aluminum Frame, with Thermal Break	1.7	0.6
Double-Pane/Wood or Vinyl Frame	2.0	0.51
Single-Pane + Interior Film	2.0	0.5
Single-Pane + Ext. Storm	2.0	0.49
Double-Pane/Wood, Argon Gas	2.2	0.46
Double-Pane/Fiberglass or Insulated Vinyl	2.3	0.44
Double-Pane/Med Solar Low-E	2.5	0.4
Triple-Pane/Wood	2.6	0.39
Single-Pane + Low-E storm	2.6	0.38
Triple-Pane/One Low-E	2.9	0.35
Double-Pane Wood/Vinyl Low Solar Low-E Argon	2.9	0.34
Average ENERGY STAR Window	2.9	0.34
Single-Pane + Storm + Film	3.1	0.32
Double-Pane Wood + Exterior Storm	3.1	0.32
Triple-Pane/Two Low-E	3.2	0.31
Double-Pane Wood Low-E + Storm	3.4	0.29
Quad-Pane/Good Spacer, Two Low-E, Krypton Gas	4.5	0.22
Rated "R-5"	5.0	0.81
<b>*Single-Pane/Aluminum Frame, with Thermal Magnetite</b>	<b>5.34</b>	<b>0.19</b>
<b>*Single-Pane/Aluminum Frame, with Acoustic Magnetite</b>	<b>6.04</b>	<b>0.17</b>
<b>*Dual-Pane/Vinyl Frame, with Low-E Argon and Thermal Magnetite</b>	<b>7.34</b>	<b>0.14</b>
<b>*Dual-Pane/Vinyl Frame, with Low-E Argon and Acoustic Magnetite</b>	<b>8.04</b>	<b>0.12</b>

\*The final R-value of your window system may vary. These figures are based on a professionally installed Magnetite panel for a single-hung window in a 2"x4" wall cavity.