

Energy Efficiency Features	Summerwind Performance	Additional Information
<b>Temperature Resistance:</b>		
Winter Comfort: R-Value	5.58-5.68	A product's R-value is a measurement of its ability to keep heat in and cold out. The higher the R-value, the better that product is at retaining indoor warmth. <sup>1</sup>
Solar Heat Gain Coefficient	.21-.23	A product's solar heat gain coefficient is a measurement of its ability to reduce heat from the sun. SHGC is expressed as a number between zero (none) and one (all). The lower a window coverings solar heat gain coefficient, the more heat it blocks. <sup>2</sup>
<b>Ultraviolet Protection</b>	99%	A product's ability to block harmful ultraviolet rays is measured in terms of a percentage. The higher the rating, the greater the UV protection.
<b>Sound Resistance/Sound Control:</b>		
Sound Absorption	.15	Sound absorption ratings measure the amount of reflected sound absorbed. The scale for sound absorption is in a range from 0.00 to 1.00 where 1.00 means total, 100% absorption of sound. For example, 0.10 would indicate approximately 10% sound absorption.
<b>Ventilation</b>	Excellent	Summerwind polysatin shutters rate excellent in ventilation. When the louvers are fully open, air can flow freely through them.
<b>Reduction in energy consumption</b>	Excellent	Summerwind polysatin shutters are an excellent choice in window coverings to reduce home heating and cooling loss. The R-value performance of a double glazed low E glass window is increased by 64.1% when Summerwind polysatin shutters are used to cover the window. This correlates to an annual energy savings of 39.1%. <sup>3</sup>

<b>Indoor Air Quality Features</b>	<b>Summerwind Performance</b>	<b>Additional Information</b>
Lead	Passed	Summerwind polysatin shutters have been tested for lead and are below both the Environmental Protection Agency (EPA) and the American National Standards Institute (ANSI) standards for lead. <sup>4</sup>
Formaldehyde	Passed	Summerwind polysatin shutters have been tested for formaldehyde and are below the Environmental Protection Agency (EPA) standards for formaldehyde. <sup>5</sup>
Volatile Organic Compounds (VOCs)	Passed	Summerwind polysatin shutters have been tested for Volatile Organic Compounds (VOCs) and has been Greenguard Indoor Air Quality Certified by the Greenguard Environmental Institute. (GEI). <sup>6</sup>

<b>Resource Efficiency</b>	<b>Summerwind Performance</b>	<b>Additional Information</b>
Recyclable/Renewable Content – Product	Excellent	Summerwind polysatin shutters are recyclable.
Recyclable/Renewable Content - Packaging	Excellent	Summerwind polysatin shutters are packaged using 100% recyclable material of which 20% are from recycled goods. Hunter Douglas is continually implementing programs for recycling and reusing packaging materials.
Product Lifecycle	Excellent	Summerwind polysatin shutters have excellent performance and are built to last. They are also backed by the Hunter Douglas Lifetime Guarantee.

<b>Site Maintenance Features</b>	<b>Summerwind Performance</b>	<b>Additional Information</b>
Care and Cleaning	Excellent	Summerwind polysatin shutters are easy to clean with a soft, dry cloth. Light dusting will keep them looking beautiful for years to come.
Ease of Operation	Excellent	Summerwind polysatin shutters are very easy to operate. Simply open or close them with the touch of a finger.
Safety	Excellent	With no cords or strings, Summerwind polysatin shutters are an ideal choice for families concerned with child and pet safety.

Sources:

- <sup>1</sup> Results based on Low-E double glaze windows with product.
- <sup>2</sup> Results based on standard double glazed windows with product.
- <sup>3</sup> Visit <http://extension.missouri.edu/explore/hesguide/intdes/gh2815.htm> for more information on energy savings of shutters.
- <sup>4</sup> The maximum allowable lead content in a product by the EPA standards is 600ppm or .06%. Visit [www.epa.gov/lead](http://www.epa.gov/lead) for more information. The American National Standard for Safety of Corded Window Covering Products, A100.1-2007, states that exterior components of the window covering which can be touched or ingested by young children shall be produced with no more than .02% lead by weight or 200ppm. Visit [www.ansi.org](http://www.ansi.org) for more information.
- <sup>5</sup> The maximum allowable formaldehyde content in a product by the OSHA standards is 0.5ppm. Visit [www.epa.gov/iaq/formalde.html](http://www.epa.gov/iaq/formalde.html) for more information.
- <sup>6</sup> Visit [www.greenguard.org](http://www.greenguard.org) for more information on Greenguard certification.