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Realising Dreams since 1989

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## *"Having the best of both worlds"*

How wonderful it is to fill the entire living space with natural daylight. Not only does it brighten the interior instantaneously but it enlivens up the space as well.

Inevitably, natural daylight comes with heat, ultraviolet rays and also glare issues. So as what most people would say, "You can't have the best of both worlds". There is always a trade-off to something good.

On the other hand, the need to feel comfortable is innate in all of us and we tend to avoid anything which will potentially disrupt this inner state of well-being. The original idea was to have full natural daylighting within your space and feel fully comfortable but the reality is having full natural daylighting with additional heating issues, prolonged exposure to ultraviolet rays and discomfort to the eyes. In addition, the shading options which are widely available have their limitations. They block out the strong sun rays, but they do not cutdown the heat, ultraviolet and glare issues. Moreover, most of such shading options do not allow you to reconnect with nature because they just basically as what their names suggest – shade and block.

Is there an ultimate solution to this? Is it really possible to allow daylight in your home while eliminating all the unwanted issues?

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time – SSG<sup>®</sup> VariShield.



### What is SSG<sup>®</sup> VariShield?

It is a smart glass which tints against sunlight and heat to attain a comfortable interior environment for you and your family.

### How does it work?

SSG<sup>®</sup> VariShield is slightly tinted in its natural state and it will tint to a darker shade upon exposure to heat during the day. It adopts a thermochromic approach. This means that the glass panel uses heat (thermo) to cause a “change in tint” (chromic). At its fully tinted state, you are able to have a good view of the exterior as the strong sunlight actually compensates for the full tint. Hence it does not necessarily mean that your view through the window will appear darker but in fact, there is actually not much of a change as compared to its original state! So fret not, your viewing pleasure will not be compromised.

Through this process, SSG<sup>®</sup> VariShield effectively reduces light transmission from 50% in its original state to about 10% or less in its fully tinted state hence eliminating glare issues from the interior.

It is also able to achieve an SC value of as low as 0.15, thereby avoiding overheating of the interiors.

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any technical glitches or electrical maintenance.

### How can it transform your space?

SSG® VariShield can allow you to enjoy full natural daylight comfortably from your space. Long gone are those days where you have to worry about the heat seeping into your house which then forces you to blast your air-conditioning system. You can now play a part in energy conservation as heat radiation into the interior will be significantly reduced. Furniture sitting by the windows can now have a longer shelf-life as it is exposed to a lower amount of ultraviolet rays, which also means lesser chances of discoloration and material degradation. Lastly, get to enjoy your scenery in full view even during the mid-afternoon without having to squint your eyes.

Basically, you can actually convert your dream into reality.

The question now would be, “Who said you can’t get the best of both worlds?”

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