



SSG® Self-Cleaning Glass

Most of us would agree that ensuring the cleanliness of our living space is important to us. Not only does it enable us to be productive and to live comfortably in our home, we also get to show off our clean house to family and friends. However, it is inevitable that weekly cleanings around the house are needed to maintain the state of cleanliness that we all desire. How often do you complete the extensive list of household chores on a regular basis? While there is a fraction of us who would only do one or two of the chores in any given day, there are also a handful of people who have a habit in completing all in a day.

One of the most tiring chores is the cleaning of windows from top to bottom. It requires one to stretch and bend tirelessly to clean every window in the house, leading to body aches and a lot of time spent. Hence not many people enjoy spending time to keep their windows dirt-free.

What if we are able to check this off our weekly cleaning schedule?

Wouldn't it be ideal if our windows are able to maintain its cleanliness for a longer period of time?

Singapore Safety Glass would like to bring to you our very own SSG® Self-Cleaning Glass.

What is SSG[®] Self-Cleaning Glass?

SSG[®] Self-Cleaning Glass offers a solution to your cleaning woes, specifically window cleaning. This product is able to self-clean through the usage of natural elements like sunlight and rainwater, hence resulting in less frequent cleaning needed.

How does it work?

This glass uses a photocatalytic and hydrophilic process. Photocatalytic process refers to the breaking down of organic dirt on the surface of the glass with the use of ultraviolet light while hydrophilic process means that the glass doesn't aid in the formation of water droplets. Instead, the water forms an even layer on the surface which then carries the broken down organic dirt with it when it flows downwards.

With these two complementary processes in place, SSG[®] Self-Cleaning Glass does not allow the easy build-up of dirt on the glass surface, hence strict weekly maintenance and excessive usage of cleaning agents are not necessary.

SSG[®] Self-Cleaning Glass is also able to work perfectly during cloudy days. This is because 80% of the ultraviolet radiation is able to penetrate through the clouds hence regardless of how sunny a typical day might be; organic dirt can still be broken down.



How will SSG[®] Self-Cleaning Glass create positive change?

Only minimal cleaning is needed for SSG[®] Self-Cleaning Glass. With one household chore being checked off your list, more time can be allocated on things that matter in life such as spending time with our loved ones.

SSG[®] Self-Cleaning Glass is an ideal solution for hard to reach areas like full-height

vision panels and skylights where cleaning would be tedious and dangerous. With that being said, the cost of engaging professional cleaners to clean such areas will be lesser than that of normal window glass due to the product's capability of remaining clean over a longer period of time.

It is also an eco-friendly solution because lesser cleaning agents are needed. Although there may be sustainable and eco-friendly cleaning products available, most conventional cleaning products off-the-shelf are still unsafe, toxic and non-biodegradable and with these, they can have adverse effects on our earth's eco-systems. Hence with lesser use of such cleaning agents, we can play a part in promoting a greener and better environment for current and future generations.

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