



Frequently Asked Questions

General Questions

1. How can I learn more about the product and see installations?

Fill out the Contact form on the Contact Us page or email info@pleotint.com. Be sure to visit our Resources page for a collection of useful information.

Please see our Project Gallery for examples and photographs of various projects that have incorporated *Suntuitive™* window systems.

2. How can I buy the product?

If you would like to buy the product you can contact Pleotint directly at info@pleotint.com. We will assist all interested parties who wish to purchase interlayer or finished windows either directly or by referral to one of our partners. In either case, do not hesitate to contact us.

Our typical supply chain is as follows: Pleotint produces *Suntuitive* and supplies this product to our glass laminator partners. The laminators take the interlayer and laminate it between two pieces of glass. Once the laminate is made a spacer and an additional piece of glass, preferably with low-e, are added to make a double-pane IGU.

3. Is there a difference between *Suntuitive* and SRT?

No, they are one in the same. Previously, Pleotint called the technology SRT, or Sunlight Responsive Tinting. Pleotint trademarked the technology under the name *Suntuitive*. It will take time before the change spreads and the name is uniform.

4. How durable are *Suntuitive* windows?

Independent testing and Pleotint's own research indicates that Pleotint *Suntuitive* Interlayer will last at least 20 years with very little visible light transmission change. Pleotint rigorously tests for durability, and on-going accelerated aging tests indicate that *Suntuitive* windows will meet or exceed a 20 year lifetime.

Suntuitive Interlayer is currently being tested for Notice of Acceptance (NOA) for hurricane prone areas.

Availability/Usage

5. Can *Suntuitive* Interlayer be used as a post-application film?

No, *Suntuitive* is an interlayer and cannot be applied as a film onto existing windows. The *Suntuitive* interlayer is built into a new window which can then be installed into a new construction or retrofit application.

6. How are *Suntuitive* windows installed?

Pleotint's *Suntuitive* window systems are installed the same way as conventional IGUs are installed today. Pleotint's *Suntuitive* window systems do not require wires or electrical controls to make the window function.

Suntuitive windows will install anywhere a typical double or triple pane window can be installed. Pleotint recommends a 1" or 1 1/8" frame. Because of their pleasing aesthetics and energy efficiency, *Suntuitive* windows are a great choice for any building or home.

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7. What style options are available with a *Suntuitive* window system?

Currently there is a limit of 65 inches (1.651 meters) in width. Windows can be made to virtually any length. They are also available in a wide range of shapes and configurations including curved glass and skylights. *Suntuitive* window designs are also available for various specialized applications.

Pleotint only supplies one color and thickness of the *Suntuitive* Interlayer. However, color can be adjusted by use of different tints of glass. PPG Ideascapes offers many tints of glass that work wonderfully with *Suntuitive* such as Optiblue or Solargray.

8. Can I replace my current window(s) with a *Suntuitive* window system?

Yes. However, some installations may also require replacement of the window frame (see question 6).

9. What is the lead time to get a *Suntuitive* window system installed?

Lead times can vary depending on the size of the project. However, since Pleotint takes advantage of the current supply chain, lead times are similar to receiving a standard laminated window.

10. Can the Pleotint *Suntuitive* window system be opened?

Yes, *Suntuitive* windows do not use any wires or controllers so there is nothing to prevent the window from opening.

Product Features

11. How does the product function?

Pleotint produces a thermochromic Polyvinyl Butyral (PVB) interlayer material, *Suntuitive*, which must be laminated between two pieces of tempered or heat strengthened glass and made into an Insulated Glass Unit (IGU). Low-e should be incorporated into the IGU between the glass laminated with *Suntuitive*™ and the interior of the building. When the sunlight hits the window with *Suntuitive* Interlayer, the laminate starts to absorb the heat from the sun causing the *Suntuitive*™ Interlayer to darken. The more direct the sunlight, the darker the laminate will become.

12. Is there a warranty on *Suntuitive* Interlayer?

Yes, *Suntuitive* windows are typically warrantied for 10 years. Our Limited Warranty can be found on our Resources page.

13. What do *Suntuitive* windows look like from the outside?

In indirect sun the *Suntuitive* windows will look similar to any other window. However, when the *Suntuitive* windows tint they will appear dark gray from the exterior. Tinted *Suntuitive* windows are similar to wearing sunglasses, where the glasses appear dark from the outside, but are easy to see through from the inside.

14. Are *Suntuitive* windows expensive?

The cost of *Suntuitive* windows will depend on several factors such as its size, shape and configuration and will cost more than a regular window. However, capital can be saved on HVAC equipment and replacement of furnishings due to reduced harmful UV rays. You will also save on heating, cooling and lighting costs. And the comfortable environment you will create inside your building or home provides an on-going benefit.

Product Performance

15. How fast does the *Suntuitive* Interlayer tint and un-tint?

It will take 20-30 minutes of direct sunlight for the window to fully tint. Likewise, it will take 20-30 minutes for the window to return to the original state.



16. What is the technical performance of a *Suntuitive* window system?

A *Suntuitive* window system is able to reduce SHGC to 0.11 and allows for a VLT range from 69% to 6%. A chart comparing different configuration performances is available on our Resources page.

17. What temperature does a Pleotint *Suntuitive* window system start to tint and where will *Suntuitive* be most beneficial?

Our product is always changing color in direct sunlight, but the *Suntuitive* Interlayer has been designed so that the most active range is from IGU pane temperatures of 77°F (25°C) to 150°F (65°C).

Structures that are subjected to abundant and direct sunlight will especially reap the benefits of *Suntuitive*. In the United States, this includes West-facing windows that receive direct sunlight in the late afternoon and South-facing windows in northern regions where the sun angle is low through-out the day.

18. How much energy savings should I expect to receive from *Suntuitive* windows?

Due to the unique properties of the *Suntuitive* Interlayer and the construction of the IGU, Pleotint's *Suntuitive* windows are one of the most energy saving windows available on the market. As there are many window systems in the market today, Pleotint is able to model how our window system technology compares with most other choices. Anyone considering Pleotint's *Suntuitive* window systems for their project is invited to contact Pleotint directly for assistance for an energy savings estimate.

19. Will the Pleotint *Suntuitive* window system tint on a cold sunny day?

This will depend on the ambient temperature outside as well as wind chill. Pleotint recommends an IGU construction where the laminate with *Suntuitive* is placed towards the outside. This construction is best for energy saving. However, on cold sunny windy days the wind will remove the heat from the laminate therefore not allowing the window to heat up enough to activate the *Suntuitive* Interlayer. This feature can be a benefit to allow natural solar heat gain into a building to offset the cost of heating a building.

There are also times when snow on the ground will reflect sunlight to the windows. This combined with any direct sunlight will allow the *Suntuitive* windows to tint nicely.

20. What if my building is surrounded by other buildings, will the *Suntuitive* window system still tint?

If there is direct sunlight on the windows, the windows will tint.