



Soltis 92 and **Satine** are both high-performance technical fabrics commonly used in external sun protection screens, such as those integrated into Renson Fixscreen systems. This is our detailed comparison based on their key characteristics and suitability for sun protection applications:

Fabric Composition & Structure

- **Soltis 92:**
 - Made from high-tenacity polyester yarns coated with PVC.
 - Features a micro-perforated structure, allowing for controlled light transmission and outward visibility while blocking a significant portion of solar heat and glare.
 - Known for dimensional stability and resistance to stretching or sagging.
- **Satine:**
 - Refers to a fiberglass-based fabric with a PVC coating, designed for blackout or high-opacity performance.
 - The Satine 21154, for example, is a blackout fiberglass fabric, meaning it blocks nearly all light transmission, offering complete privacy and room darkening^[1].

Solar Protection & Light Management

Feature	Soltis 92	Satine (e.g., 21154)
Light Transmission	Micro-perforated, 3–8% open	Blackout, 0% transmission
Outward Visibility	Preserved (see-through effect)	None (opaque)
Glare Control	High (reduces glare, maintains view)	Maximum (total blackout)
Heat Protection	Excellent (reflects solar energy, ventilates)	Maximum (blocks all light/heat)



Application Suitability

- **Soltis 92:**
 - Ideal for situations where you want to reduce solar heat gain and glare but still maintain a visual connection to the outside.
 - Suitable for offices, living spaces, and facades where daylighting and view preservation are important.
- **Satine:**
 - Best for applications requiring total blackout, such as bedrooms, meeting rooms, or spaces where complete privacy and darkness are needed.
 - Used when no light transmission is desired, and outward visibility is not required.

Durability & Maintenance

Both fabrics are designed for outdoor use, with high resistance to UV, weathering, and mechanical wear. They are easy to clean with mild soap and water, and both are integrated into Renson's Fixscreen systems, which offer robust wind resistance and long-term performance^[1].

Dimensions & Integration

- **Soltis 92 and similar screen fabrics** can be used in a wide range of screen sizes, typically up to 6 meters wide and 4.5 meters high, depending on the system.
- **Satine blackout fabrics** are more limited in maximum width and height due to their construction. For example, Satine 21154 blackout fabric is available up to 3200 mm wide and 2500–4000 mm high, depending on the head box size^[1].



Soltis 92 vs Satine: Comparison for External Screens



Summary Table

Attribute	Soltis 92	Satine (21154)
Composition	Polyester + PVC	Fiberglass + PVC
Light Transmission	3–8% (micro-perforated)	0% (blackout)
Outward View	Yes	No
Heat/Glare Block	High	Maximum
Max Width (approx)	Up to 6000 mm	3200–4000 mm (depends on system)
Application	Daylight, view, solar control	Total blackout, privacy

Conclusion

- **Choose Soltis 92** when you want effective solar protection with preserved daylight and outward visibility.
- **Choose Satine** when you require total blackout and privacy, with no light transmission or view.

Both are compatible with Renson Fixscreen systems, but your choice depends on the balance between light control, privacy, and visual comfort you need for your project^[1].