



Smart shading system

SPD Dimmable Windows

Modern stylish solution to control natural light



HIGHER BRAND IMAGE
Distinctive design for competitive differentiation



COST SAVING
thanks to reduced maintenance and A/C



ENHANCED PASSENGER COMFORT
with unblocked view for a sensation of openness

INSTANT SWITCHING SPEED

Daylight, glare and heat control by changing the opacity of the window from clear to dark

Back-up system to remain transparent in case of emergency

EASY CONTROL

Individually at each window with touch panel

Centralized through Cabin Management System

LIGHTWEIGHT & COMPACT

Compared to shades

HEAT REJECTION

UV and IR blockage

Cooler interior when entering the aircraft

Reduction of air conditioning consumption

Preservation of interior equipment

REDUCED MAINTENANCE

Integrated electronics

No moving parts

Scratch resistant

Easy to clean

OPTIONS

Segmented configuration for Venetian shade effect

Additional mood lighting for personalized ambiance

Integration into existing cockpit window possible on narrowbody and widebody

FIRST INSTALLATION OR RETROFIT

Fixed on **structure** or **sidewall**

CERTIFIED SOLUTION (STC)



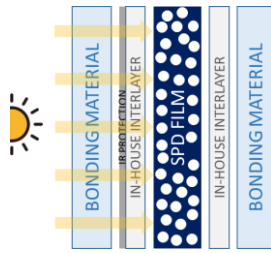
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How does it work?

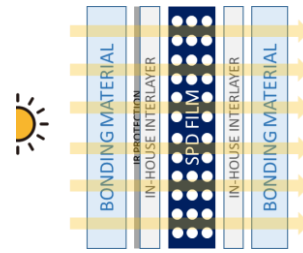


This smart solution contains an SPD film with microscopic particles. Regulating the voltage to the film adjusts the particles' orientation, instantly and precisely controlling the passage of the light, glare and heat through the film



OFF: INACTIVATED STATE

Particles are dispersed
Light absorbed = **Opaque**



ON: ACTIVATED STATE

Particles are aligned
Light transmitted = **Transparent**

Technical data

Number of Light-control levels	Unlimited
THC for Nuance Dark	Transparency: 53% - Haze: 2.5% - Clarity: 100%
Switching speed	Less than 1 second from fully dark to fully clear
Control over incoming solar energy	Heat regulation, reduction of inside temperature
UV protection	> 99% in dark and clear state
IR blocking	24% in clear mode and 54% in dark mode 85 % with additional IR film
Power consumption	As low as 1.1 W/sqm - Additional battery for 60 min of autonomy
Substrates	Glass, plastic, composite glass
Surface	Flat or curved (2D/3D)
Suitable for aftermarket	Comes as a whole to replace the entire inside window

