

 **MechoShade®**
INSTITUTES OF LEARNING



The MechoShade® system of solar shading solutions; an integrated system of manual, motorized and computerized roller screens with ThermoVeil™ shade cloth, provide brightness, glare and heat control while maintaining a view to the outside.

Exceptional window management which meets both the aesthetic and functional needs of people within the environment. Thus MechoShades and ElectroShades® are the choice of leading libraries, universities, schools and museums.

Regardless of function, from classrooms to auditoriums, conference rooms to public spaces and reading rooms, MechoShade Systems' products with ThermoVeil shade cloth are easily integrated into existing or new buildings.

Shading solutions for the next generation.



Getty Museum. Richard Meier & Partners, Architects.

“Educational institutions are injecting a healthy dose of computer technology into new, campus learning centers. Such a heavy investment in computers will be even more costly if not integrated with the right solar protection system. Glare and brightness problems with CRT screens can frustrate students. Solar heat-gain combined with the new heat generating high-tech hardware could turn the most effective design into an educational disappointment. Appropriate window treatment is an essential element in a successful, multimedia learning environment.”

*Daniel Niemeyer, Ph.D.
College Classroom Consultant on
Instructional Technology.*



Meeting the challenge
With more and more computer hardware in the classroom, MechoShades become vital to the effectiveness of the learning process because they reduce glare and brightness problems associated with CRT screens. MechoShades combine optimum solar protection, glare and brightness control, with lower energy consumption and greater use of natural light through the dynamic use of glass while maintaining those natural outdoor views so important to your well-being. The result is a dependable, worry-free solar protection system that fosters learning by adding dignity and functionality to the learning process.

ThermoVeil® shade cloths, in recommended densities, provide a significant reduction in solar heat gain and greater comfort from the radiant component of sunshine. The resulting reduction in solar energy and improved personal solar protection lowers fossil fuel consumption used to cool the

room. Thus, you feel cooler with less air conditioning while saving energy as well.

ThermoVeil shade cloth's anti-microbial properties do not support the growth of microorganisms such as Staph, Fungus or Mildew, thus helping to limit absenteeism. And, in testing by independent laboratories, you get a shade cloth that is flame retardant, less toxic than burning wool, wood or cotton and has no measurable VOC's.

MechoShade's proprietary hardware components are simplistic, yet heavy duty in design. ThermoVeil shade cloths can be removed for cleaning, maintenance and sanitation, via our SnapLoc® spline, without demounting the tube or brackets.

Room Darkening and Audio/Visual System
The MechoShade Room Darkening and Audio/Visual (A/V) System consists of MechoShades manual shades or motorized ElectroShades

featuring our ThermoVeil line of Blackout shade cloth with an integrated system of side and sill channels, light seal hembar and recessed pockets that interface with A/V control systems.

Control Systems
ElectroShades are available with several types of optional control systems ranging from mid-window alignment management systems to computerized solar tracking systems for building management.

Warranty
The MechoShade/5 system incorporates a Limited Lifetime Fit-For-Use Warranty on all hardware and shade cloths except as noted above.

The MechoShade/3 system includes a Limited 10-Year Fit-For-Use Warranty on all hardware and shade cloths except as noted above.

ElectroShade system includes Limited 10-Year Fit-For-Use Warranty on all hardware and shade cloths and 5 years on motors and electronic controls.

Contact MechoShade Systems for complete warranty statement.



*Leavey Library at USC,
Shipley, Bullfinch, Richardson and Abbott, Architects*



The effect of partially opened horizontal and vertical blinds on CRT screens



Brightness and glare control using MechoShades

*Top and bottom: Stuyvesant High School,
Gruzen Samton Architectural Planners +
Interior Designers, LLP*



*Newport Beach Library,
James Lawson Pirdy Architects and SMWM Architects*



*Stuyvesant High School,
Gruzen Samton Architectural Planners + Interior Designers, LLP*





Top: Anderson School of Business. Pei, Cobb, Freed & Partners, Architects.
 Middle: Phillips Plastic, Origen Center, training center. James + Snow Architects.
 Bottom: Newport Beach Library, James Lawson Piridy Architects and SMWM Architects

Top: Motorola Cellular Subscriber Facility, Harvard, Ill. Architect: Globetrotter's Engineering
 Middle: San Francisco Main Library. Pei, Cobb, Freed & Partners, Architects.
 Bottom: GE Capital, computer training room. Corporate Planning Group.

