

## PROPERTIES & CHARACTERISTICS

- Our Polytec® shutter begins with a unique manufacturing process that binds an aluminum core into the center of a cellular polymer piece to create a product with the inherent strength of both materials. This technique, known as co-extrusion, allows us to create a commercial shutter that has the strength and durability of aluminum with the aesthetic appearance of wood using virgin polymer.
- Polytec® shutters are made from an enhanced and technologically superior virgin PVC incorporating inhibitors to alleviate concerns about smoke and toxicity (testing available upon request). They are inherently flame retardant (certified) and pass all fire codes.
- Polytec® shutters has received the GREENGUARD® Indoor Air Quality and the coveted GREENGUARD® Children & Schools certifications. Polytec® shutters has passed an extensive series of tests to ensure that they meet stringent third-party standards for low chemical emissions based on established health standards.
- Our exclusive Saniguard® antimicrobial silver ionization finish provides lifetime protection. All tests were performed to ASTM or JIS standards in independent laboratories. Tests showed it was 99.99% effective against germs, bacteria, and virus.
- As an indoor application, our shutter line is economically sustainable. Because of its inherently high insulation factor, Polytec® shutters are highly energy efficient and will reduce thermal related costs. Furthermore, Polytec® shutters will not degrade indoor air quality.
- Custom formulated, water based paint that contains no lead and virtually zero volatile organic compounds (VOC) is baked on to our celuka finished co-extruded shutter and is guaranteed for 10 years against chipping, peeling, cracking or warping. Custom colors are available.
- 100% moisture resistant; perfect for resorts with high humidity or located near water.
- In the development stage, we found that by manipulating the molecular make up of the PVC, we could enhance the R-factor greatly by adding air molecules that adhere to the PVC particles. Polytec® is the most energy efficient window application in the industry. It is 250 % better insulating than aluminum blinds or vertical blinds; has better insulating properties than wood; and provides approximately 20% reduction in energy costs.



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- As a green product, Polytec® is 100% recyclable and can be reformed to produce other PVC products. We fabricate materials that use minimal fossil fuel, consuming less than half the fossil fuel needed to make other synthetics and thus having a smaller effect on the environment (regrind certificate available on request).
- Polytec® was developed so that it is possible to make any repairs on site using our patented aluminum and screw system in lieu of the typical staple, glue, dowel manufacturing system.
- Polytec® is available in a vertical installation, as well as horizontal, which eliminates dust collection and in 2 1/2, 3 1/2 and 4 1/2" louvers. Polytec® can be manufactured with our Hidden Tilt operating system eliminating the need for a tilt rod, which simplifies the cleaning process and enhances visibility.
- Cleaning is as simple as a damp cloth. More difficult problems can easily be wiped off with our citrus cleaner. In a 5 year test study, there was no yellowing, discoloration, breakage, or serious malfunction of the shutters. With Polytec® shutters you eliminate washing or dry cleaning draperies; the continuous maintenance required on horizontal/vertical blinds; and the cleaning and billowing problems associated with roller shades.
- Aesthetically, the look presented is of a tailored, custom window system, a product that will last years with minimal maintenance. Our bi-pass, bi-fold and standard operating systems offer a multitude of opening variations. Occupants are able to create their own lighting and visual environments easily by using our Hidden Tilt operation system. You are able to achieve an interior and exterior continuity.
- We offer a 10 years warranty against any manufacturing defects

*Before the "Green" movement and the concerns of greenhouse gases, the typical consensus was to focus on short-term costs and optimizing savings. Leadership has to be the champion who will consistently push everyone towards thinking, planning, and investing in the long term viability of their facilities.*

*Polytec® Interior Shutter System*

