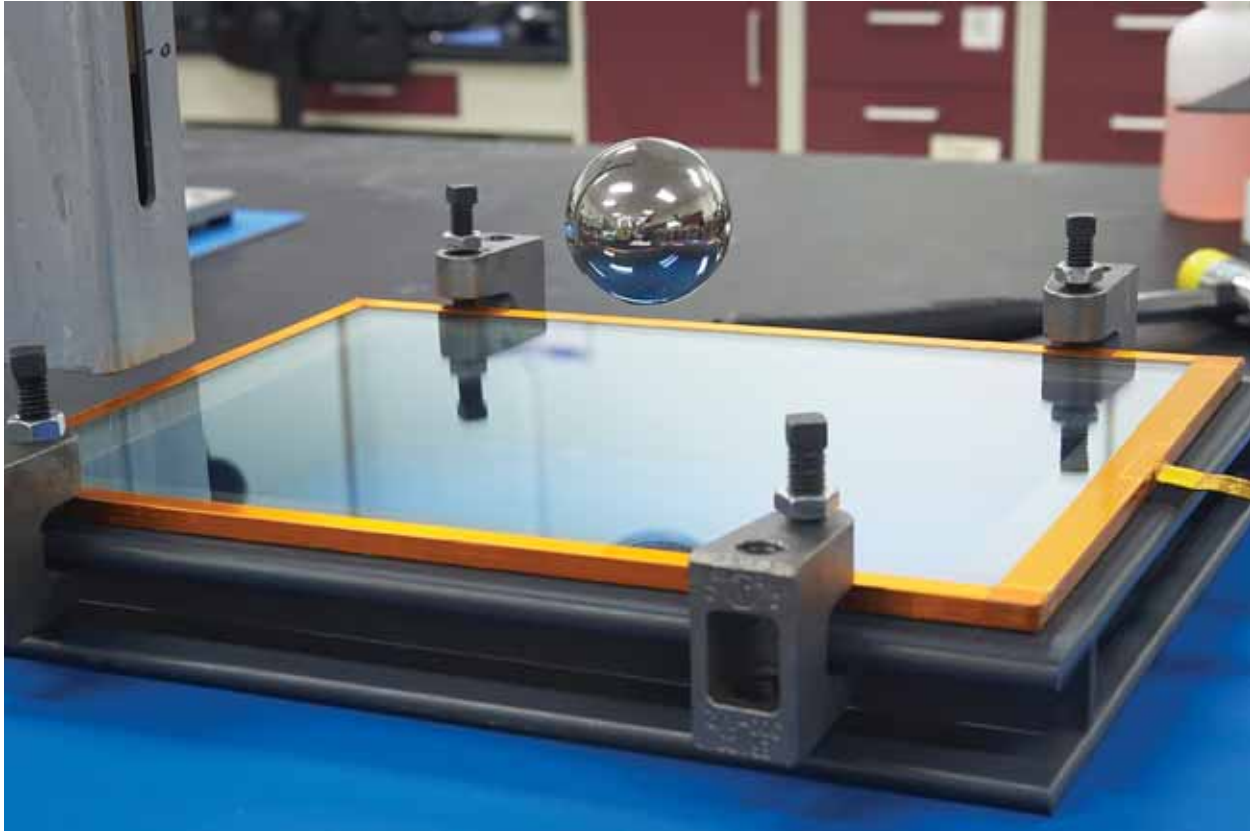


## Surface Capacitive Vandal Shield Offers Extreme Impact Resistance.



### Benefits

- Withstands 510 g Ø 50 mm steel ball dropped from 1.3 meters
- Excellent transparency and clarity
- Ideally suited for harsh outdoor applications
- Exceptionally protective hardcoated front surface
- EMI shield back surface

The most durable surface capacitive touch screen on the market today features a combination of capacitive touch screen technology and Bergquist's proprietary optical bonding process. This bonding process provides the industry an exceptionally resilient touch screen. Bergquist's vandal shielded screens can withstand the impact of a 510 g steel ball when dropped from 1.3 meters without sustaining damage, while maintaining exceptional optical properties.

Bergquist enhanced conductive coatings increase brightness and contrast, enhancing any display without sacrificing durability. Bergquist touch screens come standard with rear, edge and tail insulation making installation and grounding a simple process. The vandal shield, combined with Bergquist standard touch features, provides a solution suited for the most demanding and rugged of applications.

Surface Capacitive Vandal Shield Specifications	
Linearity	<math>\leq 1.0\%</math>
Insulation Resistance	>math>\geq 20\text{ M}\Omega/25\text{V(DC)}</math>
Life Cycle	200 million touches
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Constant Temperature / Humidity	+70°C / 90% RH, 500 hrs, normalized for 4 hours
High Temperature	+70°C / 500 hrs, normalized for 4 hours
Low Temperature	-40°C / 500 hrs, normalized for 4 hours
Thermal Cycle	-40°C ~ +70°C (60 min/cycle) *10 cycles normalized for 4 hours
Connection Tail	FFC
Surface Hardness	7H
Activation Force	<math>\leq 10\text{g}</math>
Structure	Glass / Glass
Transparency	>86%
Haze	Clear <math>\leq +5\%</math> Antiglare = 100GU
Drop Ball	510 g Ø 50 mm steel ball 1.3 meters



### Applications

- ATM / banking
- Kiosks
- Military
- Un-monitored public access terminals

### Vandal Shield Stack Up

