

Tech Shield Description

When applied to Acrylic, Polycarbonate, PETG or other compatible plastics, the strength and break

Applications

Tech Shield can be used to enhance safety and esthetics in almost any application

- Flat Panel Protectant-LCD & Plasma
- LED Overlay
- Boat Windows
- Mirror Overlay
- Display Panels
- Security Windows
- Computer Face Plates
- Bus and RV Windows
- Tractor Windows
- Face Shields
- Edge Lighted Menu Boards
- Sport Courts

Product Availability

Tech Shield is available in clear, transparent gray, and transparent bronze colors. Tints for UV filtering and other light filtering are available by special order for applications where some wavelengths may interfere with processing operations.

Typical Product Data

Tech Shield formula on polycarbonate sheets, moldings and extrusions, Acrylic sheets, fabricated parts, PETG and PVC.

Standard Dimensions (nominal)

Thickness: 10 to 90 mils, 1/8", 3/16", 1/4", 3/8" and 1/2".

Sheet size: 48" x 96"

Other sizes and thicknesses available

Tech Satin—Non Glare Coating





Tech Shield Testing

Abrasion Testing

• Taber Abrasion Test (with 500 g. load on each wheel @ 1000 cycles. Haze % measured ASTM D 1003-6L.)
Result: 3.0-7.0 Δ Haze

• Steel Wool Test (with #0000 Steel)

Environmental Testing

• Water Immersion Test (in tap water @ 6.5C.).

Result: 500+ hours with no cracking or loss of adhesion.

• QUV Exposure Test (on QUV instr. Manuf. By Q Panel Corp. Cycle = 8 hrs. Uv @ 70C & 4 hrs cond. Humidity @50C.).

Result: 400+ hours with no cracking or loss of adhesion.

• RS Sunlamp Exposure Test
Result: 800+ hours with no cracking or loss of adhesion. Yellowness Index Test (after 500 hrs. of QUV.)

Chemical & Solvent Resistance

(with saturated cotton balls for 30 min)

- Ethylene Glycol Anti-Freeze
- Diesel Fuel
- Gasoline
- Heavy Duty Detergent
- Heavy Duty Brake Fluid
- Transmission Fluid (Type A)
- Isopropyl Alcohol
- Acetone

