



TouchSystems

# Acrylic Protective Overlays

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Touch Systems' Acrylic Protective Overlays offer the highest quality protection for LCD products on the market today. These products provide an economical solution to protecting your investment while allowing for high optical characteristics and a durable surface. TouchSystems' Acrylic Overlays are readily available in a variety of standard sizes and will protect your display investment for years to come.

## Healthcare

Protect your display from harsh and abrasive chemicals used for the sterilization of equipment in medical environments.

## Public Kiosk

Reduce risk of spreading bacteria and viruses between visitors with an easy-to-clean protective surface.

## Digital Display System

Guard your LCD from public abuse and general weather conditions, such as sudden temperature changes and water spray.

## Features of Acrylic Protective Overlays

Light Weight	TouchSystems' Acrylic Overlay is only half the weight of glass and 43% the weight of aluminum, making it a light weight solution.
Weather Resistance	Withstanding exposure to blazing sun, extreme cold, sudden temperature changes, salt water spray, etc, Touch Systems' protective overlay does not deteriorate after years of service because of the inherent stability of its acrylic resins.
Safety	If broken, this protective overlay does not shatter into small slivers, instead, fracturing into larger pieces, making it more impact resistant than glass and meeting the requirements of ANSI Z97.1 for use as a Safety Glazing Material in Buildings.
Rigidity	This protective overlay is more rigid than many other plastics such as acetates, polycarbonates or vinyls, but it is not as ridged as glass or metals.
Thermal Shock and Stresses	The acrylic coating is more resistant than glass to thermal shock and to stresses caused by substantial temperature differences between a sunlit and a shaded area of a window and between opposite surfaces of a window.
Heat Resistance	TouchSystems' Acrylic Overlay can be used at temperatures from -30°F (-34°C) up to +190°F (+88°C), depending on the application. It is recommended that temperatures not exceed 160°F (71°C) for continuous service, or 190°F (88°C) for short, intermittent use.
Light Transmission	This clear, colorless overlay has a light transmittance of 92% and is warranted not to lose more than 3% of its light-transmitting ability in a 10-year period.
Chemical Resistance	TouchSystems' Acrylic Overlay is resistant to many chemicals and is not impacted by most foods The chemicals it is resistant to include: <ul style="list-style-type: none"> <li>■ Acids such as sulfuric acid (30%), citric acid (20%), hydrochloric acid, hydrogen peroxide, ammonium chloride</li> <li>■ Aliphatic hydrocarbons such as hexane and VM&amp;P naphtha</li> <li>■ Other substances such as heavy duty detergent solution, ammonia, battery acid, kerosene, mineral oil, olive oil, cottonseed oil, turpentine, ethylene glycol and water</li> </ul>