

## Description

When applied to Acrylic, Polycarbonate, PETG or other compatible substrates, TEC 2000 coating is nearly as scratch and abrasion resistant as glass.

## Applications

TEC 2000 can be used to enhance safety and esthetics in almost any application:

- Safety Glazing
- Machine Covers and Panels
- Boat Windows
- Safety Mirrors
- Display Panels
- Security Windows
- Computer Face Plates
- Bus and RV Windows
- Tractor Windows
- Face Shields
- Edge Lighted Menu Boards
- Sport Courts

## Typical Product Data:

TEC 2000 formula on polycarbonate sheets, moldings and extrusions, Acrylic sheets, fabricated parts, PETG and PVC.

## Product Availability

TEC 2000 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.

## Standard Dimensions (nominal)

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

**Sheet size:** 48" x 96" (24" x 48" for thin films).

Other sizes and thicknesses available on request.

**Chemical & Solvent Resistance** (tested 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

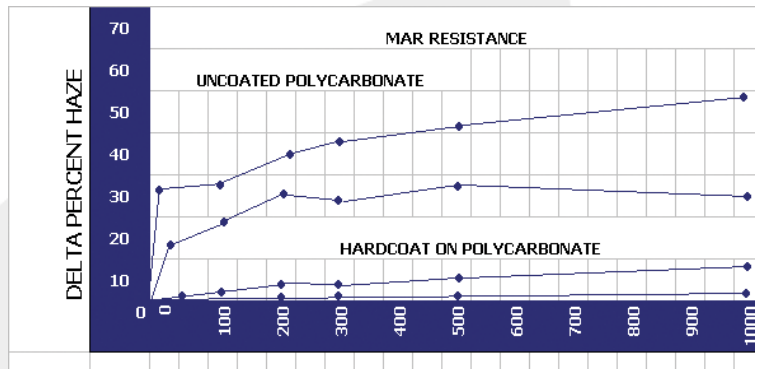
### Abrasion Test

*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 Wool Pad, 1.12" D @ 25psi & 5 cycles.)

**Result:** 1.0 Δ Haze



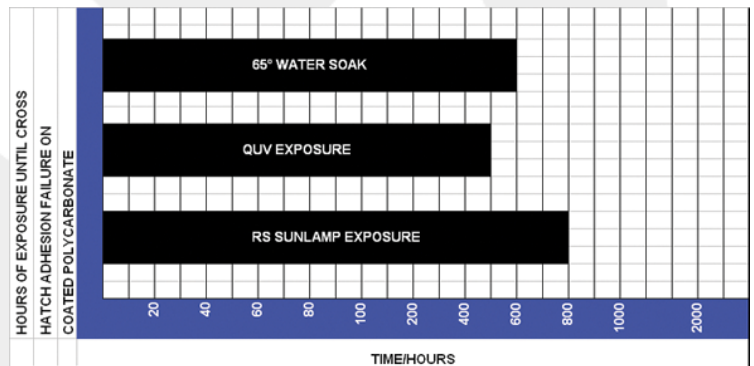
### Environmental Testing

*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.

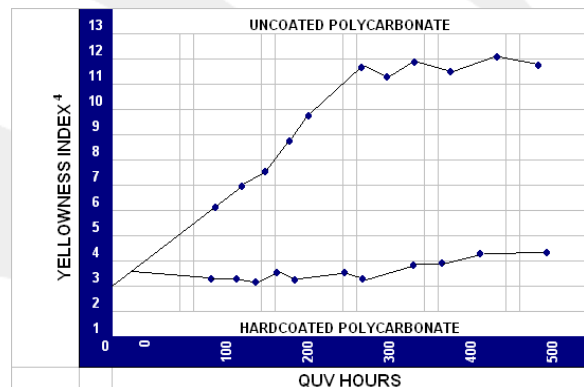


*RS Sunlamp Exposure Test*

**Result:** 800+ hours with no cracking or loss of adhesion.

*Yellowness Index Test* (after 500 hrs. of QUV.)

**Result:** Index = 1-4



TEC 2000 products offer superior protection of acrylic and polycarbonate sheets or thin gauge materials. In most cases the materials coated can be bent to a soft radius or machined to size without coating failure. The TEC 2000 product line is designed to offer the user abrasion and chemical resistance that is far superior to uncoated polycarbonate or acrylic sheets or thin gauge materials. Due to the number of different manufacturers of polycarbonate and acrylic sheet products on the market, ACP NOXTAT cannot warrantee this product for specific applications. Although verbal, written information or recommendations contained in any of the ACP NOXTAT literature is given in good faith, no guarantee is made that the same results or satisfaction will be obtained. None of the ACP affiliates, employees or authorized representatives will be held responsible for any loss incurred up to and including labor, materials, coating costs or shipping charges. Each user of the product shall make its determination as to the suitability of the product in its intended use. All modifications to the coating to offer desired results for specific applications will be done at the risk of the purchaser and ACP NOXTAT will not accept any responsibility for the end results. Any testing that may be needed shall be done by the purchaser to determine whether the products performance falls within the specific guidelines that are needed for the purchaser's particular application. 9-1-12