

ArmorPlast® AP375

Product Specification Sheet

3/8" ULTRA CLEAR

SPECIFYING AND TECHNICAL DATA

ArmorPlast® AP375 sheet is a blend of polycarbonates, acrylics, and other plastics designed specifically to resist high-velocity impacts from sledgehammers and other heavy tools.

COMPONENTS

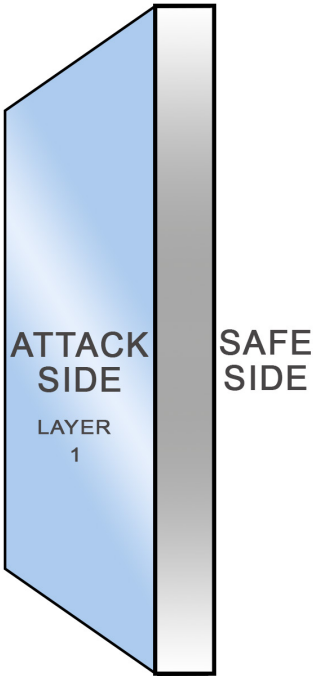
Layer 1: 3/8" Ultra Clear Monolithic Polycarbonate

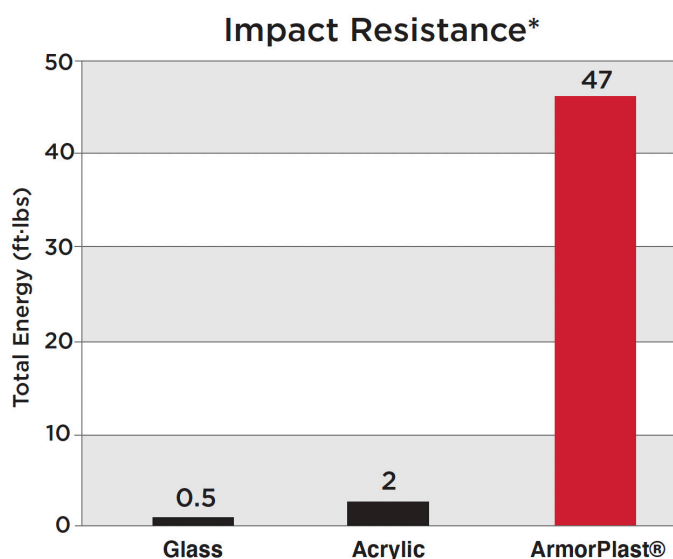
Both sides are hard-coated with our proprietary 80 micron formula for higher abrasion resistance and surface hardness. Optimal clarity makes this sheet our most popular for high-end retail, hospitality, and luxury residences. Long lasting outdoor weathering performance is a hallmark of the Riot Glass AP Series thermal coating process. AP375 sheet has a seven (7) year Limited Product Warranty against breakage, yellowing, and hazing. The terms of the warranty are available on request.

PROPERTIES & SPECIFICATIONS

U Factor (Summer Winter)	0.78 0.85
Shading Coefficient	0.97
Light Transmission	86%
Thickness	0.375 ~3/8"
Weight	2.43 lbs/sqft
Dimentional Tolerance	ASTM C 1349

OPTIMAL STOREFRONT SECURITY PANEL AP375





*Instrumented Impact per ASTM D 3763, sample thickness 0.125" nominal

Chemical Resistance*

Chemical Tested	Resistance Time
Acetone	>24 hrs
Ammonia (10% concentration)	>24 hrs
Antifreeze (50/50)	>24 hrs
Benzene	>24 hrs
Bleach (Clorox concentrated)	>24 hrs
Chloroform	>24 hrs
Denatured Alcohol	>24 hrs
Di (2-ethylhexyl) phthalate	>24 hrs
Diesel Oil	>24 hrs
Isopropyl Alcohol (IPA)	>24 hrs
Kerosene	>24 hrs
Methyl Alcohol	>24 hrs
Methyl Butyl Ketone	>24 hrs
Methyl Ethyl Ketone	>24 hrs
Methylene Chloride	>24 hrs
Naphthalene, 1-bromo-	>24 hrs
Potassium Hydroxide - Lye (10%)	>24 hrs
Sodium Hydroxide (10%)	>24 hrs
Toluene	>24 hrs
Turpentine	>24 hrs
Unleaded Gasoline (87 Octane)	>24 hrs
Vinegar	>24 hrs
Xylene	>24 hrs
Acids:	
Hydrochloric Acid (20%)	>24 hrs
Nitric Acid (20%)	>24 hrs
Sulfuric Acid (20%)	>24 hrs

*Tested in accordance to ASTM D 1308-02

REGULATORY CODE COMPLIANCE AND CERTIFICATIONS

ANSI Z97.1-2009, 2015: Americal National Standard for Safety Glazing Materials Used in Buildings
Safety Performance Specifications and Methods of Test, Class A, Unlimited

CPSC 16 CFR 1201 Category I and Category II
Safety Standard for Architectural Glazing Materials

Florida Building Code
High Velocity Hurricane Zone Classified
Miami-Dade NOA: NOA

UL 972: Burglary Resistant Glazing Materials
UL File #BP2126

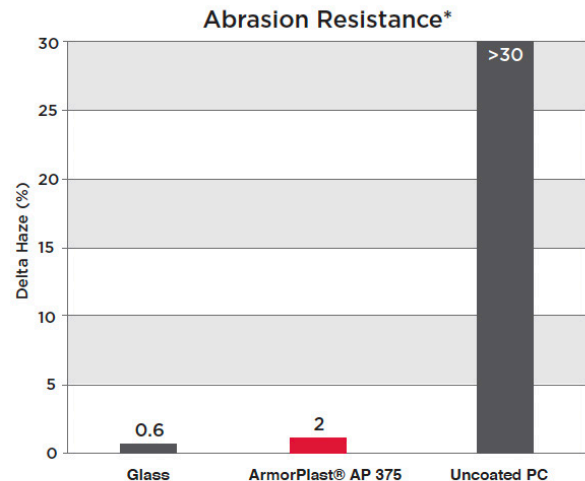
UL 94: Flammability File #EB87887

UL 746C: Sustainability foor Outdoor Use.
UL File #E87887

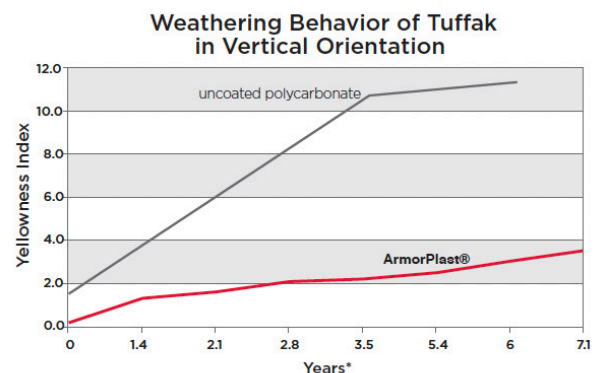
AAMA 501.8: Resistance too Human Impact of
Window Systems Intended for Use in Psyciatric
Applications

SECURITY RATINGS

- Forced Entry & Containment
- ASTM F 1233.08 Class 2.0 Body Passage
- ASTM F 1233.08 Class 1.4 Contraband Passage
- ASTM F 1915 Grad 3
- HP White TP 0500 Level 1 Sequence 8



*Taber Abrasion per ASTM D 1044, 100 cycles using CS-10F wheels at 500 g load



*Based upon Xenon WOM accelerated weathering for UV dose at mid-latitude location

WARRANTY

- 7 (Seven) years from date of manufacture

CARING FOR EXPOSED GLASS SURFACES

It is imperative to clean the glazing unit during and after the construction period to maintain optimum performance and aesthetic properties. To clean, use a soft, clean cloth and a mild soap, detergent, or slightly acidic cleaning solution (such as vinegar). Avoid using razor blades which can scratch the polycarbonate layer. Wipe with a clean, lint-free cloth.

Copyright © 2017 Riot Glass™. All rights reserved.

SELLER DISCLAIMS ALL IMPLIED WARRANTIES AND SIMILAR OBLIGATIONS (OTHER THAN GOOD TITLE) INCLUDING BUT NOT LIMITED TO THOSE OF FITNESS FOR A PARTICULAR PURPOSE, AND MERCHANTABILITY, WHETHER OTHERWISE ARISING BY LAW, CUSTOM, USAGE, TRADE PRACTICE, COURSE OF DEALING, OR COURSE OF PERFORMANCE. Buyer acknowledges the installation of the goods must be performed by an authorized dealer and with the correct procedures to achieve any particular purpose or safety result. There are no warranties which extend beyond those express warranties contained in the purchase agreement between Buyer and Seller. Any design provided by Seller is based on information provided by Buyer.

