



# PROTECT3™ SAFETY GLASS

## PRODUCT DESCRIPTION

PROTECT3™ Safety Glass provides **FIRE, SAFETY** and **SECURITY** protection all in one. It's an attractive and economical glazing solution for high traffic areas requiring fire-rated glazing. It's perfect for schools, hospitals, institutions and commercial projects.

PROTECT3™ Safety Glass is a 1/4" (6mm) thick glazing material consisting of fire-rated wire glass with a surface applied fire-rated and impact-safety rated film. It is UL tested, classified and labeled with fire-ratings up to 90 minutes with hose stream and has impact-safety ratings to ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II). This product meets new building code requirements and is listed for use in doors, sidelites, transoms and borrowed lites.

PROTECT3™ Safety Glass offers triple protection:

### 1. FIRE-RATED

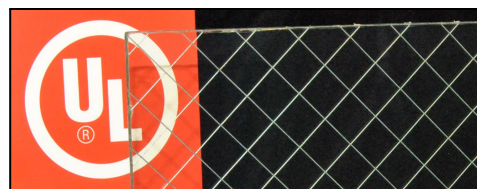
- Fire-rated up to 90 minutes with hose stream
- UL classified and UL labeled

### 2. IMPACT-SAFETY RATED

- Impact-safety rated to ANSI Z97.1 and CPSC 16CFR1201 CAT I & II
- Meets building code requirements
- Suitable for high human traffic locations

### 3. SECURITY

- Passes 400 ft-lb impact tests
- Passes air blast testing – minimum Level 3 @ 4.0 PSI
- Visual deterrent



## FEATURES

- UL classified
- Best value! Highest performance / lowest cost option
- Fully tested and approved
- High quality polished surface. True color rendition
- Large sizes available: up to 48" x 96"
- Available in diamond or square pattern
- Thickness: ~1/4" (6.8mm). Weight: 3.6 lbs/ft2

## LABELING

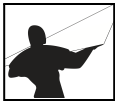
Each lite comes permanently labeled with the UL Classified mark, manufacturer's name, product name, additional certifications such as impact-safety and other information as required under the building code.



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## LISTINGS

Listing table when using glazing compound: Pure silicone caulk or Norton V980

Product	Rating	Application	Max Sq In (in <sup>2</sup> )	Max Width (in)	Max Height (in)	Stop Height (in)
PROTECT3™ SAFETY GLASS	Up to 45 min	Doors, Windows	1296	54	54	3/4
	Up to 90 min	Doors	100	12	33	1/2

Listing table when using glazing compound: Pemko FG3000

Product	Rating	Application	Max Sq In (in <sup>2</sup> )	Max Width (in)	Max Height (in)	Stop Height (in)
PROTECT3™ SAFETY GLASS	Up to 45 min	Doors, Metal	2856	34	84	5/8
	Up to 90 min	Doors, Metal	552	12	46	5/8
	Up to 60 min	Doors, Wood	960	12	80	5/8
	Up to 45 min	Windows, Sidelites	4608	48	96	5/8
	Up to 45 min	Transom lites	3456	96	36	5/8

*Classified and labeled by Underwriters Laboratories, Inc. for the United States and Canada with File-No. R25738. All fire tests performed in accordance with UL 9, UL 10C, UBC 7-2 (1997), UBC 7-4 (1997), NFPA 257, NFPA 80, ASTM E2010-01, ASTM E2074-00, CAN4-S104, and CAN4-S106. All listing information is subject to change. Note: This product is not considered a barrier to radiant heat and has not met the ASTM E-119 or UL 263 test standards.*

## STORAGE & HANDLING

Lites should be handled with care during transportation, storage, inspection, and installation. They should be stored in dry conditions only and needs to be stacked upright or at a slight angle. In addition, the lites must be separated by an appropriate material, such as soft pads made of cork placed at the edges, and the bottom edge must be supported along its entire length.

## INSTALLATION

Lites should only be installed into fire-rated frame and window assemblies carrying the same rating. Each lite should be inspected carefully before installation, and any pieces with visible edge or surface damage should be sorted out. All glazing components and the stop height must be chosen according to the UL classification. The lite must be glazed using the glazing compound designated in the listing tables above, such as pure silicone caulk, Norton V980 or Pemko FG3000. The installation of the framed unit must comply with the frame supplier's instructions.

The production process may create certain optical imperfections, such as bubbles or knots. Since these do not generally impair the transparency or the technical performance of the product, they do not represent cause for rejection or replacement.

## MAINTENANCE & CARE

Keep the lite clean. A soft, clean, non-abrasive cloth and a mild soap, detergent, or non-abrasive window cleaning solution is suitable for cleaning. After cleaning, rinse immediately with clean water and remove any excess water from the lite surface. Do not allow any metal or hard parts of the cleaning equipment to come in contact with the lite surface. Failure to comply with any of the Labeling, Storage & Handling, Installation, and/or Maintenance & Care guidelines may result in a loss of warranty.

*Protect3™ is a trademark of ProScience Inc.*

