



## FIRE DOOR LISTING PROGRAM

**Customer:** Proscience Inc. DBA Glassopolis Specialty Glass  
**Class:** Fire-Resistant Door Glazing  
**Location:** Toronto, Ontario  
**Website:** [www.glassopolis.com](http://www.glassopolis.com)

**Listing No.** F458-1

**Effective Date:** July 31, 2019  
**Last Revised:** October 10, 2024

**Standards:** UL 10B (2020) *Standard for Fire Tests of Door Assemblies*  
UL 10C (2021) *Standard for Positive Pressure Fire Tests of Door Assemblies*  
NFPA 252 (2022) *Standard Methods of Fire Tests of Door Assemblies*  
CAN/ULC S104-15 *Standard Methods of Fire Tests of Door Assemblies*

**Products:**

- Fire-Resistant Door Glazing Component rated for use with Neutral & Positive Pressure rated Category “A” and “B” Fire-Resistant Doors.
- Fire Rated Ceramic Glazing Assemblies with Security Coatings.

**Markings:** All glazing shall be labelled with the following content applied to an area that is readily visible after installation:

1. Manufacturers name or trademark
2. Country of manufacture
3. QAI Component Logo with US Marking shown below for TEMP20 Glass
4. QAI Component Logo with C/US Marking shown below for Coated Ceramic Glazing Assemblies
5. QAI Listing File Number (F458-1)
6. Applicable Standards: UL 10B, UL 10C, NFPA 252, CAN/ULC S104





Models: **TEMP20 Glass** – Glassopolis TEMP20 Glass complies with UL 10B, UL 10C, and NFPA 252 with the ratings and limitations outlined below

Product Name	Door Skin Type	Door Core Type	Maximum Fire-resistance Rating
6 mm (1/4") TEMP20 Glass  (see below for max. dimensions)	Wood	Solid Wood	<b>20 Minute (no hose stream)</b>
	Steel	Hollow / Steel Stiffened	<b>20 Minute (no hose stream)</b>

Maximum Glass Dimensions		Maximum Viewing Area Dimensions	
Width	Height	Width	Height
908 mm (35.75")	2254 mm (88.75")	883 mm (34.75")	2229 mm (87.75")

Product is permitted for use in Insulated Glass Units (IGU) constructed with the use of a steel spacer. Each glass pane must be TEMP20 Glass of minimum 6 mm (1/4") thickness.

**Coated Ceramic Glazing Assemblies** – Glassopolis Coated Ceramic Glazing Assemblies comply with UL10B, UL10C, NFPA252, and CAN/ULC S104 with the ratings and limitations outlines below.

Ceramic Glass Minimum Thickness	Approved Coatings	Maximum Coating Thickness	Maximum Fire-resistance Rating
5 mm (3/16")	Madico LCL 2100 PS USR	585 µm (0.023")	<b>90 Minute</b>
5 mm (3/16")	3M S70 Security Film	175 µm (0.007")	<b>90 Minute</b>

The installation types and maximum sizes for use of these coatings on glazing assemblies can be seen in the following table.



Min Ceramic Glass Thickness	Application	Glazing Compound	Max Fire-Resistance Rating	Max Viewing Area Dimensions		
				Width	Height	Area
5 mm (3/16")	Doors Temp Rise & Non-Temp Rise	Fiberfrax tabe, closed cell PVC, Pemko FG3000S90	<b>90 Minute</b>	305 mm (12")	838 mm (33")	0.065 m <sup>2</sup> (100 sq in)
5 mm (3/16")	Doors Non-Temp Rise	Fiberfrax tabe, closed cell PVC, Pemko FG3000S90	<b>90 Minute</b>	914 mm (36")	1930 mm (76")	1.77 m <sup>2</sup> (2736 sq in)
5 mm (3/16")	Transom Lites, Side Lites, Windows	Fiberfrax tabe, closed cell PVC, Pemko FG3000S90	<b>90 Minute</b>	1930 mm (76")	1930 mm (76")	2.21 m <sup>2</sup> (3422 sq in)
6.35 mm (1/4")	Metal Doors	Pemko FG3000	<b>45 Minute</b>	864 mm (34")	2134 mm (84")	1.84 m <sup>2</sup> (2856 sq in)
6.35 mm (1/4")	Wood Doors	Pemko FG3000	<b>60 Minute</b>	305 mm (12")	2032 mm (80")	0.619 m <sup>2</sup> (980 sq in)
6.35 mm (1/4")	Metal Doors	Pemko FG3000	<b>90 Minute</b>	305 mm (12")	1168 mm (46")	0.356 m <sup>2</sup> (552 sq in)
6.35 mm (1/4")	Windows and Side Lites	Pemko FG3000	<b>45 Minute</b>	1219 mm (48")	2438 mm (96")	2.97 m <sup>2</sup> (4608 sq in)
6.35 mm (1/4")	Transom Lites	Pure silicone caulk or Norton V980	<b>45 Minute</b>	2438 mm (96")	914 mm (36")	2.23 m <sup>2</sup> (3456 sq in)
6.35 mm (1/4")	Doors, Window, Door Frame	Pure silicone caulk or Norton V980	<b>45 Minute</b>	1372 mm (54")	1372 mm (54")	0.836 m <sup>2</sup> (1296 sq in)
6.35 mm (1/4")	Doors	Pure silicone caulk or Norton V980	<b>90 Minute</b>	305 mm (12")	838 mm (33")	0.065 m <sup>2</sup> (100 sq in)



- Notes:**
- Refer to QAI evaluation reports F458 and the applicable test reports for test assembly configurations used for fire endurance testing.
  - Refer to the [QAI FD002 - Fire Door Guidelines for general guidelines of fire door assemblies](#)
  - Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction (AHJ).
  - Product is to be installed in accordance with the manufacturer's published installation instructions by qualified installing personnel.

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