

ON THE SAFE SIDE

KERALITE[®] LAMINATED

Fire-rated glass ceramic with safety film provides a cost-effective and lightweight fire-protective glazing solution.



vetrotech
SAINT-GOBAIN

WHY CHOOSE KERALITE?

Keralite is the best fire-protective glass ceramic of its class, with the lowest haze value and highest color-rendering index of any fire-rated glass ceramic on the market.



Fire-Protective

This glass product can withstand fire exposure to the non-fire side and protects from flames, smoke and hot gases.



Impact safety

Impact safety rated to meet the highest human impact safety ratings.



Hose stream tested

This product has passed the hose stream test.

Fire Rating

20-90, 180 Minute

Listings/Approvals	UL 9, 10B, 10C; NFPA 80, 252, 257; CAN/ULC-S104, S106
Impact Safety Rating	CPSC 16CFR Part 1201 (CATEGORIES I & II), ANSI Z97.1, CAN/CGSB-12.10-M
Nominal Thickness	.345" (8.8mm)
Thickness Tolerance	+0.031" to -0.031" (+0.8mm to -0.8 mm)
Weight (lbs/sq ft)	4.261
STC/OITC Rating	34/31
Light Transmission	85.6%
Shading Coefficient	.95
Solar Heat Gain Coefficient	.83
U Value BTU	.895 Summer; .988 Winter

Keralite Laminated is available in products from:



2444 Industrial Drive
Neenah, WI
54956
(920) 233-3333

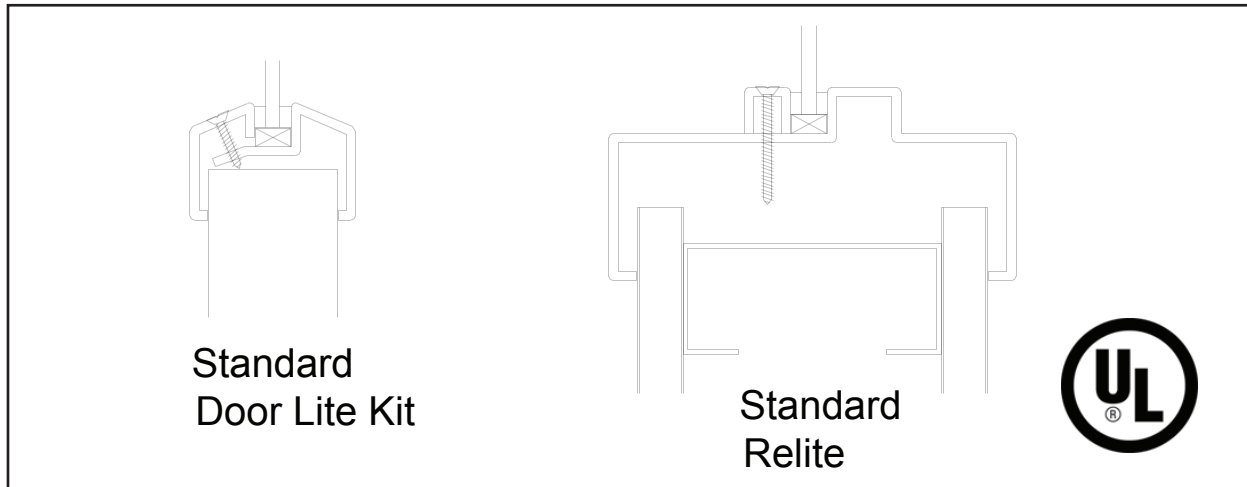
411 West Spruce St.
Abbotsford, WI
54405
(715) 223-6324

Rating	Window/Transom/ Sidelight Maximum Exposed:			Door Non-Temperature Rise Maximum Exposed:			Door Temperature Rise Maximum Exposed:		
	Area	Width	Height	Area	Width	Height	Area	Width	Height
20	4,500	95-3/8	95-9/16	3,627	46-1/2	78	N/A		
45	4,500	95-3/8	95-9/16	3,627	46-1/2	78	N/A		
60	4,500	95-3/8	95-9/16	3,627	46-1/2	78	100	10	33
90	4,500	95-3/8	95-9/16	3,627	46-1/2	78	100	10	33
180	N/A			N/A			100	10	33



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2018 B St. NW #110 Auburn, WA 98001
(888) 803-9533





Description

Keralite Laminated glass ceramic fire rated glazing material for use in fire rated doors, window, transom and borrowed lite assemblies.

General Characteristics

Thickness: 5/16" (8mm) Weight: 4.1 lbs. sq. ft. Impact Safety Rating: ANSI Z97.1 and CPSC 16CFR1201 (Cat I & II)

Listing / Labeling

Listed and labeled by Underwriters Laboratories (UL) and tested in accordance with the following test standards; UBC 7-2 & 7-4, UL 9 & 10c, NFPA 252 & 257, CAN4S-104. Each piece of Keralite Laminated shall be labeled in accordance with the Vetrotech Saint-Gobain UL identifying mark.

Installation

Keralite Laminated should be installed only into listed fire-rated door and frame assemblies using fire rated setting blocks (calcium silicate) or and one of the following: Ceramic Glazing Tape or Closed Cell PVC Tape. In addition both tapes can be used in conjunction with cosmetic silicone sealant. Check that the opening is plumb and square. Carefully inspect glass edges before installation. Superficial chips smaller than 5/32" (4mm) are acceptable, wider or deeper chips (with V profile) are not acceptable and should not be installed. Place setting blocks (3" min) at sill, located at quarter points. Do not block the lite so as to restrict movement due to thermal expansion, direct glass to perimeter frame contact should be strictly avoided. Check perimeter clearance and adjust setting blocks as needed. Keralite Laminated is an engineered specialty fire protective glass-ceramic material with its primary function being that of fire resistance integrity. Certain optical and visual faults are inherent to the manufacturing process, which may be evaluated according to the manufacturing quality standards. These characteristics do not generally impair the transparency or affect the performance of the glass in case of fire; and therefore, should not be considered cause for rejection or replacement.

Storage and Handling

Handle Keralite Laminated with care during transportation, storage, inspection, and installation.
Store in a dry place.

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