

COMMON GLASS TYPES

FIRE & SAFETY RATED GLASS

Ceramic - Fire Protective and Safety Glass:

1. VT fire approvals allow for listed and labeled ceramic glass up to 90-minutes
2. Temperature Rise max: 100 sq. inches

PYRAN Platinum F (Filmed):

1. Standard Thickness: 3/16"
2. Standard for VT supplied filmed ceramic glass offering for fire rated doors up to 90-minutes

PYRAN Platinum L (Laminated):

1. Standard Thickness: 5/16"
2. Standard for VT supplied laminated ceramic glass offering for fire rated doors up to 90-minutes

Keralite - Filmed and Laminated:

1. Discontinued offering in the US
2. No longer standard for VT Industries as of 8/7/23
3. Amber hue compared to PYRAN Platinum green hue

Wired Glass:

1. VT will only glaze with safety rated version of wired glass
2. Doors can be glazed with non-safety rated glass by others where the building code allows its use

Superlite I-W:

1. Standard Thickness: 5/16"
2. Standard for VT supplied safety and fire rated wire glass

SAFETY GLASS

Tempered Glass (Heat Treated):

1. Standard thickness: 1/4".
2. Meets safety glazing codes
3. Cannot be cut after being heat treated
4. Breaks into very small non-jagged pieces

Laminated Glass (2 pieces of non-tempered glass laminated on either side of a plastic sheet):

1. Standard thickness 1/4"
2. Meets safety glazing codes
3. Breaks in a spider web pattern with the plastic sheet holding the broken pieces together

Bullet Resistant Glass:

1. Made of acrylic, polycarbonates, laminated safety glass combinations of these
2. Thicknesses: the thickness varies between and within levels based on the other properties required such as fire rating or forced entry rating. Thickness and vision frame requirements will be determined as specified
3. Meets safety glazing codes

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X-ray Glass

1. Metal Vision Panel is required, woodstops not allowed
2. Safety-rated glass required. Building codes do not allow non-safety rated glass and VT will not install
3. X-ray glass is not fire-rated by itself, but it can be used in labeled doors when installed in a dual glazed frame with fire rated glazing

Acoustical Glass

1. VT STC approvals include tempered, ceramic (laminated and filmed), wired, and insulated
2. Metal Vision Panels and woodstops approvals available
3. See STC Capability Chart for glass size/thickness, Metal Vision Panel, and woodstop approval