



# Product Update

DECEMBER 1, 2016

#447

Revision 01

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## **FIRE RATED GLAZING**

The following 4 pages include an approvals matrix of glazing products available for use as lites in fire rated doors and an installation matrix of the installation options available for each glazing type. Please contact VT regarding glass types not shown.

The dimensions shown are based on the door and glazing approvals. These may be further restricted by the approval of the vision frame selected.



## GLAZING MATRIX Installations

WIRED GLASS		Thickness Advertized (Actual)	Safety (Impact) Rated	Passes Hose Stream Test	Option to Factory Glazing	Installation in 20-min std construction	Installation in 20-min full-lite construction	Installation in 45-min std construction	Installation in 45-min full-lite construction	Installation in 60-min std construction	Installation in 90-min std construction
Superlite I-W	Non-Temperature Rise Doors	5/16" (0.304)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
SAFE-Wire	Non-Temperature Rise Doors	1/4"	Yes	Yes	Yes	Bead or MVP; min stop height is 5/8"	Bead or MVP; min stop height is 3/4"	Bead or MVP; min stop height is 5/8"	Bead or MVP; min stop height is 5/8"	Bead or MVP; min stop height is 5/8"	Bead or MVP; min stop height is 5/8"
	Temperature Rise Doors					Not Applicable				Bead or MVP; min stop height is 5/8"	Bead or MVP; min stop height is 5/8"
Wirelite NT	Non-Temperature Rise Doors	1/4" (0.259)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
FIRE-PROTECTION GLAZING		Thickness	Safety (Impact) Rated	Passes Hose Stream Test	Option to Factory Glazing	Installation in 20-min std construction	Installation in 20-min full-lite construction	Installation in 45-min std construction	Installation in 45-min full-lite construction	Installation in 60-min std construction	Installation in 90-min std construction
Firelite NT	Non-Temperature Rise Doors	3/16" (0.201)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Intumescent 114 Woodbead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
Firelite Plus	Non-Temperature Rise Doors	5/16" (0.350)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Intumescent 114 Woodbead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
Superlite X-90	Non-Temperature Rise Doors	3/4"	Yes	Yes	Yes	Not Applicable		Metal vision frame	Not Applicable	Metal vision frame	Metal vision frame
	Temperature Rise Doors					Not Applicable		Not Applicable			
Superlite C/S	Non-Temperature Rise Doors	3/16" (0.187)	Yes	Yes	Yes	Woodbead or metal vision frame with stop height of at least 5/8"	Woodbead or metal vision frame with stop height of at least 5/8"	Veneer-wrapped bead or MVP with stop height of at least 5/8"	Intumescent 114 bead or MVP with stop height of at least 5/8"	Veneer-wrapped bead or MVP with stop height of at least 5/8"	Veneer-wrapped bead or MVP with stop height of at least 5/8"
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or MVP with stop height of at least 5/8"	Veneer-wrapped bead or MVP with stop height of at least 5/8"
Pyran Platinum F	Non-Temperature Rise Doors	3/16" (0.194)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Intumescent 114 Woodbead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
Pyran Platinum L	Non-Temperature Rise Doors	3/8" (0.362)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Intumescent 114 Woodbead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
Keralite FR-F	Non-Temperature Rise Doors	3/16" (0.201)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Intumescent 114 Woodbead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
Keralite FR-L	Non-Temperature Rise Doors	5/16" (0.340)	Yes	Yes	Yes	Woodbead or metal vision frame	Woodbead or metal vision frame	Veneer-wrapped bead or metal vision panel	Intumescent 114 Woodbead or metal vision panel	Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
	Temperature Rise Doors					Not Applicable				Veneer-wrapped bead or metal vision panel	Veneer-wrapped bead or metal vision panel
PyroStop (45, 60)	Non-Temperature Rise Doors	3/4" and 7/8" respectively	Yes Cat I & II	Yes	Yes	Not Applicable		Metal vision frame	Metal vision frame	Metal vision frame	Not Applicable
	Temperature Rise Doors										
20-MIN CLEAR GLAZING		Thickness	Safety (Impact) Rated	Passes Hose Stream Test	Option to Factory Glazing	Installation in 20-min std construction	Installation in 20-min full-lite construction	Installation in 45-min std construction	Installation in 45-min full-lite construction	Installation in 60-min std construction	Installation in 90-min std construction
PyroSwiss	Non-Temperature Rise Doors	1/4" (.222)	Yes Cat I & II	No	Yes	Woodbead with 3/8" minimum stop height; metal vision frames	Woodbead with 3/8" minimum stop height; metal vision frames	Not Applicable			
	Temperature Rise Doors					Not Applicable					
PyroEdge-20	Non-Temperature Rise Doors	1/4"	Yes Cat I & II	No	Yes	Intumescent 200 or 206 woodbead with 1/2" maximum stop height; metal vision frames	Intumescent 200 or 206 woodbead with 1/2" maximum stop height; metal vision frames	Not Applicable			
	Temperature Rise Doors					Not Applicable					
FireSAFE-20	Non-Temperature Rise Doors	1/4"	Yes Cat I & II	No	Yes	Anemostat LoPro metal vision frames and 1/8" thick PVC glazing tape	Anemostat LoPro metal vision frames and 1/8" thick PVC glazing tape	Not Applicable			
	Temperature Rise Doors					Not Applicable					
FireGlass 20	Non-Temperature Rise Doors	1/4"	Yes Cat I & II	No	Yes	Woodbead with 5/8" minimum stop height; metal vision frames	Woodbead with 5/8" minimum stop height; metal vision frames	Not Applicable			
	Temperature Rise Doors					Not Applicable					
SuperLite I	Non-Temperature Rise Doors	1/4"	Yes Cat I & II	No	Yes	Woodbead with 5/8" stop height	Woodbead with 5/8" stop height	Not Applicable			
	Temperature Rise Doors					Not Applicable					
Pyrodur	Non-Temperature Rise Doors	0.313	Yes Cat I	No	Yes	Woodbead with 5/8" minimum stop height; metal vision frames	Not Applicable due to Impact Resistance Rating	Not Applicable			
	Temperature Rise Doors					Not Applicable					
FIRE-RESISTIVE GLAZING		Thickness	Safety (Impact) Rated	Passes Hose Stream Test	Option to Factory Glazing	Installation in 20-min std construction	Installation in 20-min full-lite construction	Installation in 45-min std construction	Installation in 45-min full-lite construction	Installation in 60-min std construction	Installation in 90-min std construction
SuperLite II-XL (45, 60, 90)	Non-Temperature Rise Doors	3/4", 1-1/8" and 1-1/2" respectively	Yes Cat I & II	Yes	Yes	Not Applicable		Metal vision frame	Metal vision frame	Metal vision frame	Metal vision frame
	Temperature Rise Doors					Not Applicable				Metal vision frame	
PyroStop (90)	Non-Temperature Rise Doors	1-7/16"	Yes Cat I & II	Yes	Yes	Not Applicable		Metal vision frame			
	Temperature Rise Doors					Not Applicable					
ContraFlam or SwissFlam (45)	Non-Temperature Rise Doors	3/4"	Yes Cat I & II	Yes	Yes	Not Applicable		Metal vision frame	Metal vision frame	Not Applicable	
	Temperature Rise Doors					Not Applicable					
ContraFlam or SwissFlam (60)	Non-Temperature Rise Doors	1"	Yes Cat I & II	Yes	Yes	Not Applicable		Metal vision frame		Not Applicable	
	Temperature Rise Doors					Not Applicable					
ContraFlam or SwissFlam (90)	Non-Temperature Rise Doors	1-1/2"	Yes Cat I & II	Yes	Yes	Not Applicable		Metal vision frame			
	Temperature Rise Doors					Not Applicable					
Keralite FR_Ultra	Non-Temperature Rise Doors	3/4" (.719-.761)	Yes	Yes	Yes	Not Applicable		Metal vision frame	Metal vision frame	Metal vision frame	Metal vision frame
	Temperature Rise Doors					Not Applicable					
INSULATED GLASS UNITS (IGU)		Thickness	Safety (Impact) Rated	Passes Hose Stream Test	Option to Factory Glazing	Installation in 20-min std construction	Installation in 20-min full-lite construction	Installation in 45-min std construction	Installation in 45-min full-lite construction	Installation in 60-min std construction	Installation in 90-min std construction
Firelite Plus 1" IGU	Non-Temperature Rise Doors	1"	Yes	Yes	Yes	Metal vision frame	Metal vision frame	Metal vision frame	Metal vision frame	Metal vision frame	Metal vision frame
	Temperature Rise Doors					Not Applicable				Metal vision frame	Metal vision frame