

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner
MEA 95-03-M

Report of Material and Equipment Acceptance Division

Manufacturer – Vetrotech Saint-Gobain, 1220 37th Street, NW #103 Auburn, Washington 98001.

Trade Name – Verotech.

Product – Glazing product for fire rated transparent wall assemblies.

Pertinent Code Section(s) – 27-329, 27-342, 27-651.

Prescribed Tests – RS 5-6 (ASTM E152), RS 5-7 (ASTM E163), RS 5-2 (ASTM E119), RS 10-67 (ANSI Z97.1).

Laboratory – Intertek Testing Services.

Test Report- WHI-495 (16603, 1492, PSV-1548 SP-667.3; PSV-1520. 1667, SP-0672; PSV – 1546, 1621, PSV-1488, SP-1488, SP-0671, 1663, PSV-1558, 1668, PSV-1597, 1489, 14-15.

Description –

Swissflam-60 N2 clear, alkali silicate fire-rated glazing with intumescent interlayers, for use with fire-rated, steel vision panel frames in steel/wood doors and in sidelights, transom lights, transparent wall systems and fire window assemblies (borrowed lights) in 60 minute locations (positive pressure) with hose stream.

Standards:

UBC Std 7-2 (1997), UL 10C (1998), NFPA 252 (1999), ASTM E2074 (2000), CAN4-S104-M80 (1980), UBC Std 7-4 (1997), UL 9 (2000), NFPA 257 (2000), ASTM E2010 (2001), CAN4-S106-M80 (1980), UL 263 (1997), NFPA 251 (1999), ASTM E119 (1997), UBC Std. 7-1 (1997), CAN/ULC-S101-M89 (1989)

Limitations:

1. For installation in labeled fire-rated steel door vision panel frames in fire-rated wood/steel doors, and fire-rated steel transom light/sidelight frames in drywall or masonry and fire window assemblies
2. Nominal Thickness: 0.985" (25 mm), 1.024" (26 mm) or 1.102" (28 mm)
3. Dimensions

SWISSFLAM-60 N2 (1.102" / 28 mm thick) 60 Minutes (w/Hose Stream)

CLEAR VIEW DIMENSIONS	STEEL DOORS	WOOD DOORS	RAISED SIDE LIGHTS/BORROWED LIGHTS/WINDOWS	TRANSOM LIGHTS	WALL SYSTEMS
MAX WIDTH	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)
MAX HEIGHT	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)
MAX AREA	4465 sq. in. (2.88 sq. m.)	4465 sq. in. (2.88 sq. m.)	4465 sq. in. (2.88 sq. m.)	4465 sq. in. (2.88 sq. m.)	4465 sq. in. (2.88 sq. m.)
MIN STOP HEIGHT	1/2" (12.7 mm)	1/2" (12.7 mm)	5/8" (15.87 mm)	5/8" (15.87 mm)	5/8" (15.87 mm)

SWISSFLAM-60 N2 (1.024" / 26 mm thick) 60 Minutes (w/Hose Stream)

CLEAR VIEW DIMENSIONS	STEEL DOORS	WOOD DOORS	RAISED SIDE LIGHTS/BORROWED LIGHTS/WINDOWS	TRANSOM LIGHTS	WALL SYSTEMS
MAX WIDTH	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)
MAX HEIGHT	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)
MAX AREA	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)
MIN STOP HEIGHT	1/2" (12.7 mm)	1/2" (12.7 mm)	5/8" (15.87 mm)	5/8" (15.87 mm)	5/8" (15.87 mm)

SWISSFLAM-60 N2 (0.985" / 25 mm thick) 60 Minutes (w/Hose Stream)

CLEAR VIEW DIMENSIONS	STEEL DOORS	WOOD DOORS	RAISED SIDE LIGHTS/BORROWED LIGHTS/WINDOWS	TRANSOM LIGHTS	WALL SYSTEMS
MAX WIDTH	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)
MAX HEIGHT	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)	95" (2413 mm)
MAX AREA	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)	3325 sq. in. (2.15 sq. m.)
MIN STOP HEIGHT	1/2" (12.7 mm)	1/2" (12.7 mm)	5/8" (15.87 mm)	5/8" (15.87 mm)	5/8" (15.87 mm)

Notes:

1. Can be lightly etched on one surface only
2. Can be made into insulating units

SWISSFLAM-90 N2 clear, alkali silicate fire-rated glazing with intumescent interlayers, for use with fire-rated, steel vision panel frames in steel doors assemblies (borrowed lights) in 90 minute locations (positive pressure) with hose stream.

Standards:

UBC Std 7-2 (1997), UBC Std 7-4 (1997), UL 10C (1998), UL 9 (2000), NFPA 252 (1999), NFPA 257 (2000), ASTM E2074 (2000), ASTM 2010 (2001), CAN4-S104-M80 (1980), CAN4-S106-M80 (1980)

Limitations:

1. For installation in labeled fire-rated steel door vision panel frames in fire-rated steel door assemblies.
2. Nominal Thickness: 1.339" (34 mm)
3. Dimensions

SWISSFLAM-90 N2 (1.339" / 34 mm thick) 90 Minutes (w/Hose Stream)					
CLEAR VIEW DIMENSIONS	STEEL DOORS	WOOD DOORS	RAISED SIDE LIGHTS	TRANSOM LIGHTS	BORROWED LIGHTS/WINDOWS
MAX WIDTH	31-7/8" (810 mm)	NA	NA	NA	31-7/8" (810 mm)
MAX HEIGHT	34" (864 mm)	NA	NA	NA	34" (864 mm)
MAX AREA	1084 sq. in. (0.70 sq. m.)	NA	NA	NA	1084 sq. in. (0.70 sq. m.)
MIN STOP HEIGHT	5/8" (16 mm)	NA	NA	NA	5/8" (16 mm)

Products:

Swissflam-120 N2 clear, alkali silicate fire-rated glazing with intumescent interlayers, for use with fire-rated sidelights, transom lights, transparent wall systems and fire window assemblies (borrowed lights) in 120 minute locations (positive pressure) with hose stream.

Standards:

UL 9 (2000), NFPA 257 (2000), ASTM E2010 (2001), CAN4-S106-M80 (1980), UL 263 (1997), NFPA 251 (1999), ASTM E119 (1997), UBC Std. 7-1 (1997), CAN/ULC-S101-M89 (1989)

Limitations:

1. For installation in labeled fire-rated steel door vision panel frames in fire-rated wood/steel doors, and fire-rated steel transom light/sidelight frames in drywall or masonry and fire window assemblies
2. Nominal Thickness: 2.05" (56 mm) or 2.44" (62 mm)
3. Dimensions

SWISSFLAM-120 N2 (2.05" / 56 mm thick or 2.44" / 62 mm thick) 120 Minutes (w/Hose Stream)			
CLEAR VIEW DIMENSIONS	RAISED SIDE LIGHTS/BORROWED LIGHTS/WINDOWS	TRANSOM LIGHTS	WALL SYSTEMS
MAX WIDTH	94-5/8" (2404 mm)	94-5/8" (2404 mm)	94-5/8" (2404 mm)
MAX HEIGHT	94-5/8" (2404 mm)	94-5/8" (2404 mm)	94-5/8" (2404 mm)
MAX AREA	3288 sq. in. (2.12 sq. m.)	3288 sq. in. (2.12 sq. m.)	3288 sq. in. (2.12 sq. m.)
MIN STOP HEIGHT	3/4" (20 mm)	3/4" (20 mm)	3/4" (20 mm)

Recommendation – That the above described fire protection rated glazing material for transparent wall assemblies be accepted a providing fire protection rating as described above when installed in accordance with manufacturer's installation instructions and Reference Standard RS 5-8 (NFPA 90) for Class B or C openings, in which opening occurs on condition that the certificates or labels accompanying all shipments shall be provided by the testing services which shall be regularly engaged by the manufacturer to make periodic inspections and/or tests of the fire protection rated glazing materials in the course of their manufacturer.

All shipments and deliveries of such materials, shall in addition, be accompanied by a metal tag certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance July/25/03

Examined by S Derkshuter