

Product Name

Van-Met Fire Rated Access Doors

Associated Specification Section

MasterFormat 2004 # 03 31 13

MasterFormat 1995 # 08311

Manufacturer's Name

Maxam Metals



Date: 2012-10-02

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PRODUCT DESCRIPTION

PRODUCT FEATURES

- DESCRIPTION
 - Fire-rated access doors for walls and ceilings.
- BASIC USES / RELATED USES
 - Allow access to services hidden in walls or ceilings.
 - Chute doors for access to laundry or refuse chutes.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
 - Exterior or concealed flanges.
 - Galvannealed or stainless steel material.
 - Fire ratings: 1-hour, 2-hour, 3 hour and 4 hour (in non-combustible construction).
- SELECTION CRITERIA
 - Air and water resistant doors available, with insulating and gasketing.
 - Heavy duty security doors available.
 - High temperature doors available.
 - Refer to ACCESS DOOR SCHEDULE - FIRE RATED for a thorough list of models.
- PERFORMANCE CRITERIA
 - Noncombustibility Classification: To CAN/ULC S114, ASTM E136, CAN/ULC S102, ASTM E84, UL723.
 - Flame Spread 0
 - Fuel Contribution 0
 - Smoke Developed 0
 - Structural Loads: Live load of 700 or 1400 kg/sq m (150 or 300 lb/sq ft).
- QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS
 - Intertek/Warnock-Hersey labelled.
- SUSTAINABILITY CRITERIA
 - Products manufactured at Burnaby, BC factory.

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PRODUCT DESCRIPTION

● SPECIAL WARRANTY

- Warranty:
 - Manufacturer's limited warranty of one to five years.

PRODUCT PROPERTIES**● MATERIALS**

- Steel: ASTM A653/A653M, galvanized coated steel, ZF120 (A40) coating designation, with applied rust inhibitor.
- Stainless Steel: Type 304 or 316.
- Gasketing: Urethane, maximum compression set two percent (2%) at 23 degrees C (73 degrees F).
- Insulation: Fiberglass, RSI-0.74 per 25 mm (R-4.2 per inch) high temperature insulation; thickness varies dependent on door model and fire rating.

● ACCESSORIES

- Cam Latch: 5 mm (3/16 inch) or 6 mm (1/4 inch) allen key operator.
- Key operated cylinder cam lock with two (2) keys, keyed alike.
- Handle: Non-locking, two position.
- Preparation to accept a 29 mm (1.125 inch) mortise cylinder with 29 mm (1.125 inch) satin chrome 626 finish mortise cylinder, keyway X01 Schlage "C", keyed alike (KA43758) and factory installed. Frames and flanges: 1.5 mm (0.058 inch) steel.

● DIMENSIONS

- Sizes: Generally in 50 mm (2 inch) increments. Refer to model number literature for minimum, maximum, and standard sizes.
- Maximum sizes: Refer to Access Door Schedule - Fire Rated.

● SHOP FABRICATED DOORS

- Wall and ceiling mounted door details; refer to attached Access Door Schedule - Fire Rated.
- Ceiling Mounted Doors:
 - Insulated:
 - Van-Met Model FAI-150 and FAI-250.

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- Wall Mounted Doors:
 - Insulated:
 - Van-Met Model FIN-150.
 - Van-Met Model Model FCC-150 (Chute Wall)
 - Uninsulated:
 - Van-Met Model FFM.
 - Van-Met Model FDB.
 - Van-Met Model FRK.
 - Van-Met Model FRL.
 - Van-Met Model FRM.
 - Van-Met Model FSD.
- Wall and Ceiling Mounted Doors:
 - Insulated:
 - Van-Met Model FCB-150.
 - Van-Met Model FCI-150 and FCI-250.
 - Van-Met Model FCI-300, FCI-400, and FCI-600 (High Temperature Doors).
 - Van-Met Model FCL-150 and FCL-250.
 - Van-Met Model FDL-150 and FDL-250.
 - Van-Met Model FTA-150.
- Panel: Galvannealed steel or stainless steel, 1.3 mm (18 gauge), 1.6 mm (16 gauge), and 1.9 mm (14 gauge) thick, as scheduled.
- Liner Panel: Galvannealed steel, 0.85 mm (22 gauge) thick.
- Frame: Galvannealed steel, minimum 1.6 (16 gauge), 1.9 mm (14 gauge) and 2.75 mm (12 gauge) thick, as scheduled.
- Hinge: Continuous, concealed rod or stainless steel piano hinge, allowing door panel to open 175 degrees.
- Flanges:
 - Exterior: Galvannealed steel or stainless steel, widths as scheduled.
 - Gypsum: Gypsum bead, Galvannealed steel.
 - Plaster: Metal lath, Galvanized steel.
 - Concealed: Galvannealed steel.
- FINISH
 - Galvannealed Doors: Primer, off-white colour.
 - Stainless Steel Doors: No. 4 polished, or No. 2b mill.

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PRODUCT PLACEMENT

- **INSTALLATION**
 - Install frames plumb and level in opening. Secure rigidly in place.
 - Position unit to provide convenient access to concealed work requiring access.

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PRODUCT SCHEDULE

- ACCESS DOOR SCHEDULE - FIRE RATED

Insulated Fire Rated Doors								
Model No.	Rating	Application	Mounting	Details	Panel Gauge	Frame Gauge	Flange Width	Min/Max Size
FCC-150	2 hour	Chute Wall	Exterior Flange		1.3 mm (18 ga)	1.6 mm (16 ga)	45 mm (1-3/4 inch)	Custom
FIN-150	2 Hour	Wall Only	Exterior Flange	Inward opening	1.3 mm (18 ga)	1.6 mm (16 ga) & 1.9 mm (14 ga) ¹	38 mm (1-1/2 inch)	
FAI-150 FAI-250	2 Hour 3 Hour (4 hour in non-combustible construction)	Ceiling Only	Exterior Flange	Inward opening	1.3 mm (18 ga)	1.6 mm (16 ga)	22 mm (7/8 inch)	FAI-250: 750 x 1200 mm (30 x 48 inches)
FCB-150	2 Hour	Wall or Ceiling	Gypsum Taping Bead		1.3 mm (18 ga)	1.6 mm (16 ga)	-	
FCI-150 FCI-250 FCI-300 FCI-400 FCI-600	2 hour 3 Hour 3 Hr. High Temp 3 Hr. High Temp High Temp	Wall or Ceiling	Exterior Flange		1.3 mm (18 ga)	1.6 mm (16 ga) & 1.9 mm (14 ga) Note 1	22 mm (7/8 inch) & 32 mm (1-1/4 inch) Note 2a	
FCL-150 FCL-250	2 Hour 3 Hour	Wall or Ceiling	Concealed Flange		1.3 mm (18 ga)	1.6 mm (16 ga) & 1.9 mm (14 ga) Note 1	32 mm (1-1/4 inch)	FCL-250: Wall: 1200 x 1500 mm (48 x 60 inch) Clg: 750 x 1200 mm (30 x 48 inch)
FDL-150 FDL-250	2 Hour 3 Hour	Wall or Ceiling	Exterior Flange	Double leaf, removable mullion	1.3 mm (18 ga)	1.6 mm (16 ga) & 1.9 mm (14 ga) Note 1	22 mm (7/8 inch) & 32 mm (1-1/4 inch) Note 2a	FDL-250: Wall: 1050 x 1500 mm (42 x 60 inches) Clg: 1500 x 1200 mm (60 x 48 inches)
FTA-150	2 Hour	Wall or Ceiling	Concealed Flange	Recessed panel	1.3 mm (18 ga)	1.6 mm (16 ga) & 1.9 mm (14 ga)		

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Model No.	Rating	Application	Mounting	Details	Panel Gauge	Frame Gauge	Flange Width	Min/Max Size
						Note 1		
Uninsulated Fire Rated Doors								
FFM	2 Hour	Wall Only	Exterior Flange	Surface mount, no inner frame	1.6 mm (16 ga)	1.6 mm (16 ga)	38 mm (1-1/2)	450 x 450 mm (16 x 16 inches)
FDB	2 Hour	Wall Only	Gypsum Taping Bead		1.9 mm (14 ga)	1.6 mm (16 ga)	-	
FRK	2 Hour	Wall Only	Plaster Lath		1.9 mm (14 ga)	1.6 mm (16 ga)	-	150 x 150 mm/1220 x 1525 mm (6 x 6 inch/48 x 60 inch)
FRL	2 Hour	Wall Only	Concealed Flange		1.9 mm (14 ga)	1.6 mm (16 ga)	-	150 x 150 mm/1220 x 1525 mm (6 x 6 inch/48 x 60 inch)
FRM	2 Hour	Wall Only	Exterior Flange		1.9 mm (14 ga)	1.6 mm (16 ga)	19 mm (3/4 inch) & 32 mm (1-1/4 inch) Note 2b	150 x 150 mm/1220 x 1525 mm (6 x 6 inch/48 x 60 inch)
FSD	2 Hour	Wall Only	Exterior Flange	Security Door	2.7 mm (12 gauge)	2.7 mm (12 gauge), welded	32 mm (1-1/4 inch)	200 x 200 mm/1220 x 1525 mm (8 x 8 inch/48 x 60 inch)

Note 1: Frame Gauge:

1.6 mm (16 gauge) steel up to and including door size 762 x 1219 mm (30 x 48 inches).

1.9 mm (14 gauge) steel greater than 762 x 1219 mm (30 x 48 inches).

Note 2a: Flange Width:

22 mm (7/8 inch) for doors up to and including 915 x 915 mm (36 x 36 inches).

32 mm (1-1/4 inch) for doors exceeding 915 x 915 mm (36 x 36 inches).

Note 2b: Flange Width:

19 mm (3/4 inch) for doors up to and including 915 x 915 mm (36 x 36 inches).

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Model No.	Rating	Application	Mounting	Details	Panel Gauge	Frame Gauge	Flange Width	Min/Max Size
32 mm (1-1/4 inch) for doors exceeding 915 x 915 mm (36 x 36 inches).								

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PRODUCT DESCRIPTION

Corporate Identification

Maxam Metal Products Limited
Unit 3 - 5742 Beresford Street
Burnaby, B.C. Canada V5J 1J1

Toll Free Phone: 866-446-2926

Toll Free Fax: 866-436-2926

Direct Phone: 604-433-4243

Direct Fax: 604-433-4148

E-mail: info@maxammetal.com

Internet: www.maxammetal.com

Technical Services Available

Contact Maxam Metal Products Limited

Classification and Filing

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END