PCJ®

Classic Steel®

Fire Steel Doors

Model : FRD, 3 Hr Fire Rating, ANSI/UL 10C & CAN/ULC S104

CLASSIFIED C UL US R25577

C UL US LISTED R25758

ISO 9001:2008 Certified
Certificate No. FM 509124

Door Components

Automatic Door Bottom Seal, 3 Hr Fire Rating, UL 10C
(Without Threshold / Bottom Frame)

With Threshold / Bottom Frame
(Without Automatic Door Bottom Seal)

Styles and Colors

Door Hardware

Fire Exit Device, Rim Type, Aluminum Finish, 3 Hr Fire Rating, UL 10C

Exit Lock, Lever Handle
Chrome Finish
(Heavy Duty)

BB Hinges, SS304
3 Hr Fire Rating, UL 10C

Fire Exit Device, Vertical Rod Type, Aluminum Finish, 3 Hr Fire Rating, UL 10C

Swinging Fire Door Closer,
Surface Mounted,
Non-Hold Open Regular Arm,
180°, 60-150 Kgs, Silver Finish,
3 Hr Fire Rating, UL 10C

Swinging Fire Door Closer,
Surface Mounted,
Non-Hold Open Regular Arm,
180°, 15-150 Kgs, Silver Finish,
3 Hr Fire Rating, UL 10C
(Heavy Duty)

Door Hardware

C UL US LISTED Fire Mortise Lock, Stainless Steel
3 Hr Fire Rating, UL 10C

Floor Mounted

C UL US LISTED Fire Magnetic Door Holders
UL 228

CLASSIFIED C UL US Smoke Seal, 3 Hr Fire Rating, UL 10C

CLASSIFIED C UL US Automatic Door Bottom Seal, 3 Hr Fire Rating, UL 10C

The seal automatically comes out to close the gap baneath the door leaf when the door leaf is completely cloesd, and automaticcally retract when the door leaf starts to be opened.

C UL US LISTED Fire Door Coordinator, Surface Mounted, 3 Hr Fire Rating, UL 10C

Door Frame Profiles

Single Rabbet, without Architrave

Single Rabbet, with Architrave at Pull Side

Single Rabbet, with Architrave at Push Side

Double Rabbet, without Architrave

Double Rabbet, with Architrave at Pull Side

Double Rabbet, with Architrave at Push Side

Anchor Types

Expansion-Shell Anchor
(Standard)

Adjustable Masonry Anchor
(Optional, on request only)

How to Order

XXX-X XX X-XX-XX

Door Model :-

FRD = Fire Steel Door, 3 Hr Fire Rating, UL 10C

Door Type :-

S = Single Door

D = Double Door

Door Style :-

00 = Flush

FG = Flush with Fire Rated Glass & Frames, 3 Hr Fire Rating, UL 10C

EB = Embossed

Finish :-

P = Powder

W = Wood Grain

Size : -

Width x Height = Outer Width of door frame x Outer Height of door frame (Height from finished floor level to top of the door frame)

Opening Direction (Top View) :-

Single Door

Double Door

CW = Door Leaf (Active Door Leaf in case of double door) is opened to ClockWise direction

CCW = Door Leaf (Active Door Leaf in case of double door) is opened to CounterClockWise direction

Example : FRD-DFGP-1500x2100-CCW = Fire Steel Door, 3 Hr Fire Rating, UL 10C, Double Door, Flush with Fire Rated Glass & Frames, 3 Hr Fire Rating, UL 10C, Powder Finish, Outer Width 1500 mm x Outer Height 2100 mm, Active Door Leaf is opened to CounterClockWise direction.

Certificates

CERTIFICATE OF COMPLIANCE

Certificate Number 20150210-R25577
Report Reference R25577-20150129
Issue Date 2015-FEBRUARY-10

Issued to: PCJ INDUSTRIES CO LTD
199/24-25 VIBHAVADEERANGSIT RD
SAMSENNAI
PAYATHAI 10400 THAILAND

This is to certify that representative samples of SWINGING TYPE FIRE DOORS, POSITIVE PRESSURE TESTED ; SWINGING TYPE FIRE DOORS
Model FRD, swinging-type fire door assembly of the hollow metal type with Max 100 sq in. glazing material, 3 Hr rating.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 10B - Fire Tests of Door Assemblies
ANSI/UL 10C - Positive Pressure Fire Tests Of Door Assemblies
CAN/ULC-S104 - Standard Method for Fire Tests of Door Assemblies

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services
UL LLC

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ONLINE CERTIFICATIONS DIRECTORY

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Swinging-type Fire Doors

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Swinging-type Fire Doors

See General Information for Swinging-type Fire Doors

PCJ INDUSTRIES CO LTD R25577
199/24-25 VIBHAVADEERANGSIT RD
SAMSENNAI
PAYATHAI, BANGKOK 10400 THAILAND

Swinging doors may be provided as follows:

Max Rating	Opening Type	Hollow Metal Type Steel Stiffened	Steel Covered Composite Type Door
3 Hr	Single/Single Point Lock or Fire Exit Hardware	X	—
3 Hr	Single/Mortise Single Point Lock or Mortise/Rim Fire Exit Hardware	X	—
3 Hr	Pair With Astragal/Mortise Single Point Lock/Flush Bolts	X	—
3 Hr	Pair With Astragal/Mortise/Vertical Rod or Flush Bolts Fire Exit Hardware	X	—
3 Hr	Pair With Astragal/ Vertical Rod/Vertical Rod Fire Exit Hardware	X	—
3 HR	Single or Pair With Astragal/Single Point Lock or Rim Fire Exit Hardware With Max 100 sq in. of Glazing Material	X	—

Trademark and/or Tradename: PCJ, Classic Steel

Last Updated on 2015-03-02

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CERTIFICATE OF COMPLIANCE

Certificate Number 20150129-R25758
Report Reference R25758-20150129
Issue Date 2015-JANUARY-29

Issued to: PCJ INDUSTRIES CO LTD
199/24-25 VIBHAVADEERANGSIT RD
SAMSENNAI
PAYATHAI 10400 THAILAND

This is to certify that representative samples of FIRE DOOR AND WINDOW FRAMES
The single-unit type, pressed-steel frames for masonry walls at least 2 inches (50.8 mm) thickness.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 10B - Fire Tests of Door Assemblies
ANSI/UL10C - Positive Pressure Fire Tests Of Door Assemblies
CAN/ULC-S104 - Standard Method for Fire Tests of Door Assemblies

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

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Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services
UL LLC

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Fire Door and Fire Window Frames

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Fire Door and Fire Window Frames

See General Information for Fire Door and Fire Window Frames

PCJ INDUSTRIES CO LTD R25758
199/24-25 VIBHAVADEERANGSIT RD
SAMSENNAI
PAYATHAI, BANGKOK 10400 THAILAND

Door Frames for use as a component in fire door assemblies that meet the requirements of UL 10C, (positive pressure):

Three-sided or four-sided steel frame with transoms (welded, single swing; knockdown, pairs). These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (GSZN) bearing the "S" mark on the Classification Marking and Category H Smoke and Draft Control Gasketing. See Gasketing Materials for Fire Doors, Positive Pressure Tested (GVYI) for listings of Category H smoke and draft control gaskets.

Three-sided or four-sided steel frames without transom bars (single swing, pairs).

Steel frames with lights. Requires Glazing Materials Classified as components in fire door assemblies complying with UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials. These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (GSZN) bearing the "S" mark on the Classification Marking and Category H Smoke and Draft Control Gasketing. See Gasketing Materials for Fire Doors, Positive Pressure Tested (GVYI) for listings of Category H smoke and draft control gaskets. These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (GSZN) bearing the "S" mark on the Classification Marking and Category H Smoke and Draft Control Gasketing. See Gasketing Materials for Fire Doors, Positive Pressure Tested (GVYI) for listings of Category H smoke and draft control gaskets.

Door Frames for use as a component in fire door assemblies that meet the requirements of UL10B (neutral pressure):

Three or four-sided sided frames with transom bars (single swing, welded; knockdown, pairs).

Three-sided or four-sided steel frames without transom bars (single swing, pairs).

Frames with lights. Requires Glazing Materials Classified as components in fire door assemblies complying with UL 10B and/or UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials.

Transom panel frames with transom bars. For use with Listed transom panels.

Trademark and/or Tradename: PCJ, Classic Steel

Last Updated on 2015-02-12

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We, **PCJ INDUSTRIES CO.,LTD.**, was established in 1998, specialize in production of Fire Steel Doors, Fire Dampers, Duct Dampers, Duct Silencers, Acoustic Louvers, and Air Outlets Most of our products have been certified by several organizations for standardization, i.e.: **(Underwriters Laboratories Inc.), (British Standards Institution), (Thai Industrial Standards Institute), (Air Diffusion Council), (Standards Australia). Moreover, our company has been certified by (International Organization for Standardization), ISO 9001 : 2008 as well.** We have our own factory established on our own land, area 40,000 sq.m.(approx.), in Kaengkhoi, Saraburi, Thailand.

Our Policy has always been, and will continue to be, the production and On Time-Every Time Schedule Delivery of Quality, Reliability and Competitively Priced Products. We have invested for instruments, machines and we have experience engineer teams take full time to research and develop our product lines continuously, including new product designs to meet worldwide market demands.

Our products have been distributed to many countries worldwide :-

and will be distributed to a lot more countries in the future.

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ISO 9001 : 2008 Certified
Certificate No. FM 509124

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