

since 1957

novoferm[®]
DONGBANG

Doors and Frames



Dongbang Novoferm Inc.

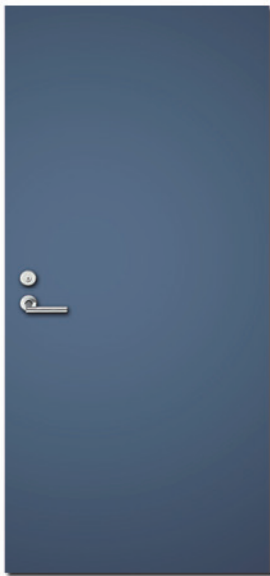
57 years of Dongbang Novoferm is
the Door **History** of Korea.



Since the Dongbang Novoferm Inc. is founded in 1957, we have been in the business of manufacturing quality hollow metal products for the building and construction industry.

During that time, The Dongbang Novoferm Inc. has earned, its reputation for the best quality and top performance throughout the residential, commercial, industrial and institutional construction market through reliable performance for many years.

- Fire Labeled Steel Door
- Acoustic Door
- Energy Saving Door



- Fire Rated Glass Door
Dongbang **Zenith**^{GL}



- Disabled Door (Balance type)
Dongbang **Eldor**



- Sliding Door Dongbang **Smoode**



- Fire Rated Wooden Door
Dongbang **Zenith**^{WD}



UL

1. Door & Window Frames, File No. R10522
2. Pair & Single Swing Hollow-Metal Type Swing Fire Door, 1 1/2hr - File No. R18674
3. Pair & Single Swing Hollow-Metal Type Swing Fire Door, 2hr - File No. R18674
4. Pair & Single Swing Hollow-Metal Type Swing Fire Door, 3hr - File No. R18674
5. Pair & Single Swing Hollow-Metal Type Swing Fire Door, UL Canada
Certificate No.051110-R19674, Report Reference No. R18674



BS (Warrington Fire Research consultancy Testing)

1. Fire Resistance Test in Accordance with BS 476: Part 22: 1987, Clause 8 on Two Single-Acting, Single-Leaf Steel Doorsets, 2hr, WARRES No. C68110
2. Fire Resistance Test in Accordance with BS 476: Part 22: 1987, Clause 8 on a Single-Acting, Double-Leaf Steel Doorsets, 1 1/2hr, WARRES No. C68109



ANSI 250.4

- Hollow-Metal Door & Fire Door Frame, No. AU10074031-1
Twist Test / Cycle Test - 1,000,000 Cycles



GOST (Russia)

1. Single Swing Hollow-Metal Type Swing Fire Door, 1hr, No.001.B05914
2. Pair Swing Hollow-Metal Type Swing Fire Door, 1hr, No.001.B05915



Middle East

1. Fire Rated Steel Door, No.9/2006 (Kuwait Governmental authorization)
2. Swing Type Fire Door, No. PS-21124-PA (Qatar Governmental authorization)



KS (Korean Standard)

- KS F 3109 Door Sets, No. 99-0856
Fire Resistance Test in Accordance with KS F 2268-1, 1hr, 2hr

ISO 9001

ISO 9001

- ISO 9001, No.QSC80914

Material

| Material | Specification | Usage and Application |
|--------------------------|-----------------------------------|-----------------------------------|
| Cold Rolled Steel | ASTM A1008, A568, A569, KS D 3512 | Interior Doors |
| Electro Galvanized Steel | ASTM A591, KS D 3528 | Interior & Exterior Doors |
| Galvannealed Steel | ASTM A653, KS D 3520 | Exterior & High Humidity Location |
| Stainless Steel | ASTM A167, A176, KS D 3698 | Interior & Exterior Doors |

Product Selection Guide

| Model | Type | Minimum Steel Thickness | | | | | |
|-------------------------------|----------------|-------------------------|-----|-------------|----------|-----|-------------|
| | | Door | | | Frame | | |
| | | Min. THK | MSG | DB STD (mm) | Min. THK | MSG | DB STD (mm) |
| Level - 1 Standard Duty | Full Flush | 0.8 | 20 | 1.0 | 0.8 | 20 | 1.0 |
| | Seamless | 0.8 | 20 | 1.0 | 0.8 | 20 | 1.0 |
| Level - 2 Heavy Duty | Full Flush | 1.0 | 18 | 1.2 | 1.0 | 18 | 1.2 |
| | Seamless | 1.0 | 18 | 1.2 | 1.0 | 18 | 1.2 |
| Level - 3 Extra Heavy Duty | Full Flush | 1.3 | 16 | 1.6 | 1.3 | 16 | 1.6 |
| | Seamless | 1.3 | 16 | 1.6 | 1.3 | 16 | 1.6 |
| | Stile and Rail | 1.3 | 16 | 1.5 | 1.3 | 16 | 1.5 |
| Level - 4 Maximum Duty | Full Flush | 1.7 | 14 | 2.0 | 1.7 | 14 | 2.0 |
| | Seamless | 1.7 | 14 | 2.0 | 1.7 | 14 | 2.0 |

Conversion Table

| MSG | Minimum Thickness | | | Conversion | | |
|-----|-------------------|-------|----------|------------|---------|-------|
| | Inch | mm | mm(Min.) | Inch | Decimal | mm |
| 4 | 0.214 | 5.436 | 5.4 | 1 | 1.000 | 25.40 |
| 5 | 0.199 | 5.055 | 5.1 | 15/16 | 0.937 | 23.80 |
| 6 | 0.184 | 4.674 | 4.7 | 7/8 | 0.875 | 22.23 |
| 7 | 0.167 | 4.242 | 4.2 | 13/16 | 0.812 | 20.62 |
| 8 | 0.152 | 3.861 | 3.9 | 3/4 | 0.750 | 19.05 |
| 10 | 0.123 | 3.124 | 3.1 | 11/16 | 0.687 | 17.45 |
| 12 | 0.093 | 2.362 | 2.4 | 5/8 | 0.625 | 15.88 |
| 14 | 0.067 | 1.702 | 1.7 | 9/16 | 0.562 | 14.27 |
| 16 | 0.053 | 1.346 | 1.3 | 1/2 | 0.500 | 12.70 |
| 18 | 0.042 | 1.067 | 1.1 | 7/16 | 0.437 | 11.10 |
| 20 | 0.032 | 0.813 | 0.8 | 3/8 | 0.375 | 9.53 |
| 22 | 0.026 | 0.660 | 0.7 | 5/16 | 0.312 | 7.92 |
| 24 | 0.020 | 0.508 | 0.5 | 1/4 | 0.250 | 6.35 |
| 26 | 0.016 | 0.406 | 0.4 | 3/16 | 0.187 | 4.75 |
| 28 | 0.013 | 0.330 | 0.3 | 1/8 | 0.125 | 3.18 |
| | | | | 1/16 | 0.062 | 1.57 |

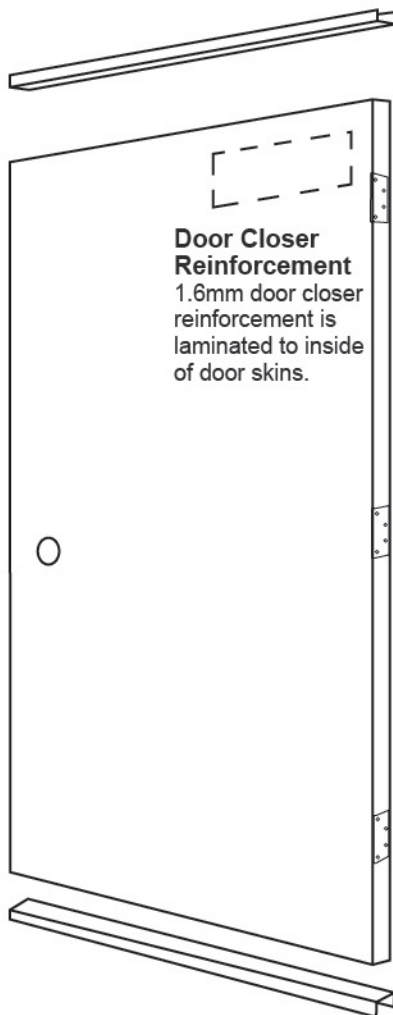
Fire Labeled Steel Doors

Doors

Dongbang Novoferm's fire labeled steel doors are 1 3/4"(45mm) in thickness and are available in 1.6mm or 1.2mm steel sheets. Door skins are mechanically interlocked vertically along the hinge and lock edge. Door edges are bevelled 1/8"(3mm) in 2"(50mm) and door surfaces are flush, welds or seams. All standard doors are manufactured from galvanized steel and are prepared and reinforced to receive specified architectural hardware in accordance to **ANSI A115 Standards**.

Fire Labels:

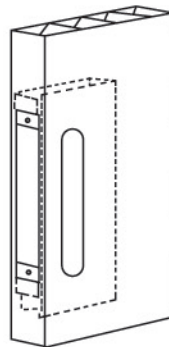
Dongbang Novoferm's fire labeled steel doors are approved by both Underwriters Laboratories (UL) and Warrington fire research (BS) Fire Labelling Programs. Fire labeled steel doors must be installed with an equivalent fire labeled frame with approved fire listed hardware. For fire labelling restrictions and limitations refer to the Fire Labelling Guide for Steel Door.



Door Closer Reinforcement
1.6mm door closer reinforcement is laminated to inside of door skins.

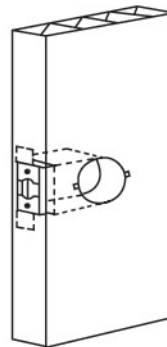
Top Channel

1.2mm inverted end channel is spot welded to door skins and tack welded at each corner of the door for extra rigidity.



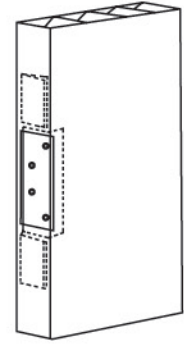
Mortise Lock Prep

Government Series 86 edge door prep is reinforcement with a 1.6mm reinforcement box to help hold mortise lock in its proper position in accordance to ANSI A115.1 requirements. 2-3/4"(70mm) backset



Cylindrical Lock Prep

Government Series 161 Cylindrical Lockset door prep is equipped with 1.6mm reinforcement and an added barrel support spot welded to the edge of the door in accordance to ANSI A115.2 requirements. 2-3/4"(70mm) backset



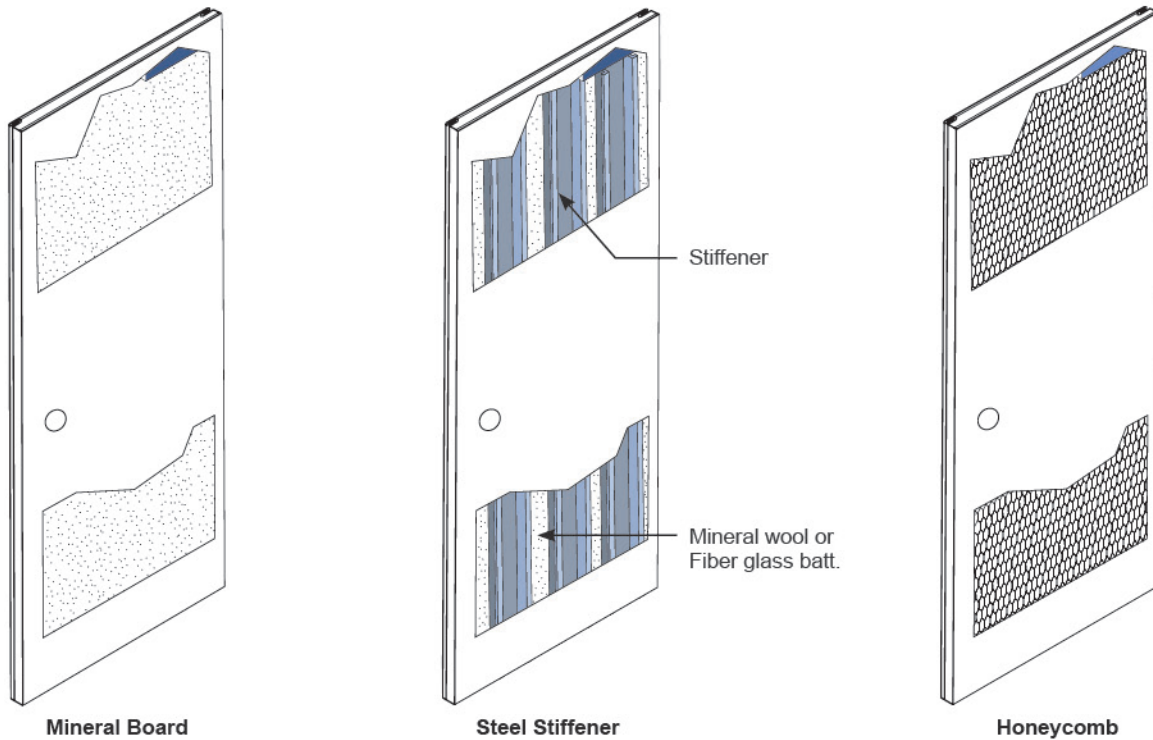
Hinge Reinforcement

3.5mm high frequency hinge reinforcement with return bend for added strength.

Bottom Channel

1.2mm inverted end channel is spot welded to door skins and tack welded at each corner of the door for extra rigidity.

○ Cores



○ Fire Labelling Guide for Steel Doors



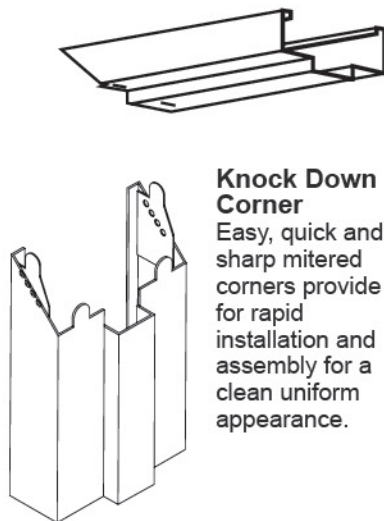
| Type | Elevation | Min. THK. | Max. Nominal Door Sizes | Available Rating | Notes |
|--------------|-----------|-----------|--|------------------|--|
| Flush | | 1.2mm | 48" X 115" (1214mm X 2910mm) Single 96" X 115" (2432mm X 2910mm) Double | 1 1/2hr | |
| Flush | | 1.2mm | 42" X 95" (1070mm X 2414mm) Single 84" X 95" (2140mm X 2414mm) Double | 2hr | |
| Flush | | 1.2mm | 46" X 93" (1165mm X 2350mm) Single 92" X 93" (2330mm X 2350mm) Double | 3hr | |
| Glass Lights | | 1.6mm | 48" X 115" (1214mm X 2910mm) Single 96" X 115" (2428mm X 2910mm) Double | 1 1/2hr | Glass area 600mm X 600mm |
| | | 1.0mm | 48" X 91" (1214mm X 2310mm) Single 96" X 91" (2428mm X 2310mm) Double | 1 1/2hr | Glass area 600mm X 600mm 300mm X 1000mm |

Frames

Dongbang Novoferm's manufactures full range of a Fire Labeled Steel Frames of standard sizes and profiles to custom sizes and profiles. Steel frames are available in 1.6mm for 1 3/4"(45mm) doors. All standard frames are manufactured from galvanized steel and are prepared and reinforce to receive specified architectural hardware in accordance to ANSI A115 Standards.

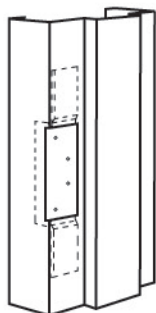
Fire Labels:

Dongbang Novoferm's fire labeled steel frames are approved by both Underwriters Laboratories (UL) and Warrington Fire Research(BS) Fire Labelling Programs. Fire Labeled steel frames must be installed with an equivalent fire labeled door with approved fire listed hardware. For fire labelling restrictions and limitations refer to the Fire Labelling Guide for Steel Frames.



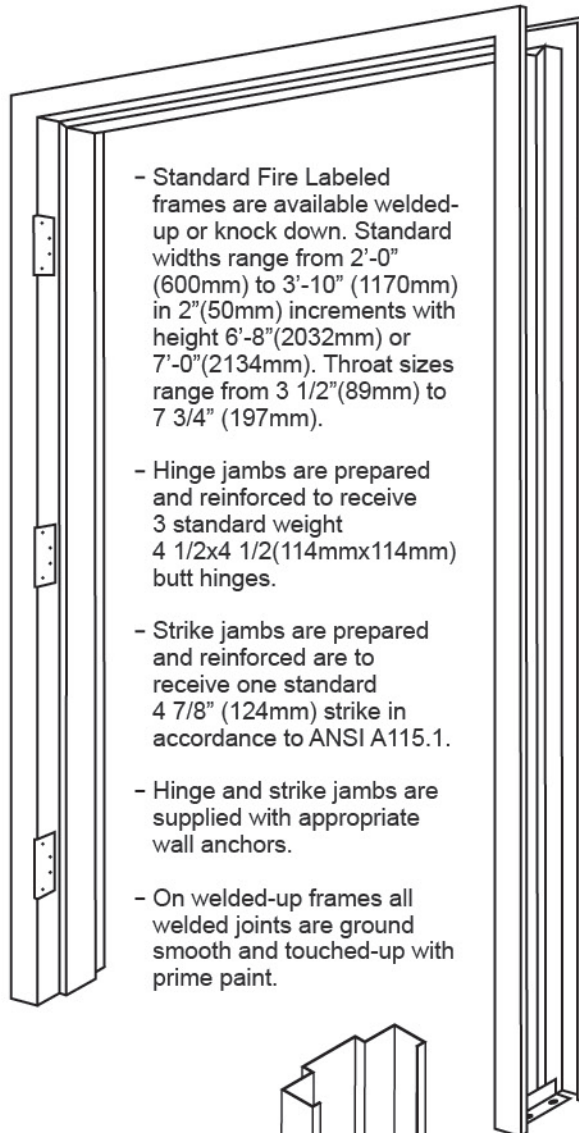
Knock Down Corner

Easy, quick and sharp mitered corners provide for rapid installation and assembly for a clean uniform appearance.

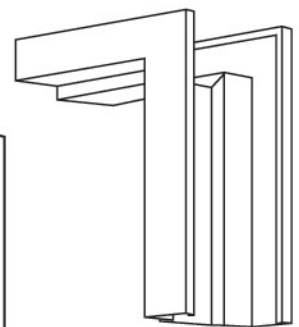


Hinge Reinforcement

3.5mm high frequency hinge reinforcement with return bend for added strength.

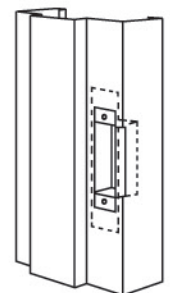


- Standard Fire Labeled frames are available welded-up or knock down. Standard widths range from 2'-0" (600mm) to 3'-10" (1170mm) in 2" (50mm) increments with height 6'-8" (2032mm) or 7'-0" (2134mm). Throat sizes range from 3 1/2" (89mm) to 7 3/4" (197mm).
- Hinge jambs are prepared and reinforced to receive 3 standard weight 4 1/2x4 1/2 (114mmx114mm) butt hinges.
- Strike jambs are prepared and reinforced are to receive one standard 4 7/8" (124mm) strike in accordance to ANSI A115.1.
- Hinge and strike jambs are supplied with appropriate wall anchors.
- On welded-up frames all welded joints are ground smooth and touched-up with prime paint.



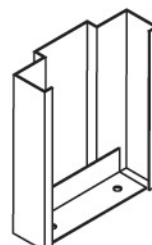
Welded Corner

Welded corners are ground smooth and prime painted (touched up) to provide a seamless look.



Strike Reinforcement

1.6mm strike reinforcement supplied with closed back eliminating the need to install an additional dust or mortar protection cover in accordance to ANSI A115.1 reinforcements.



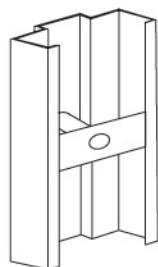
Floor Anchor

1.0mm

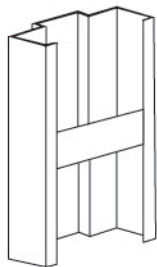
Fire Labeled Steel Doors

○ Anchors

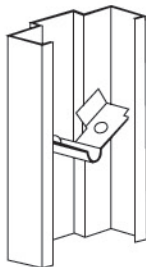
● Masonry Wall Applications



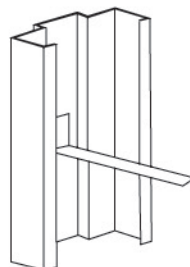
Masonry
Tube & Screw
Anchor



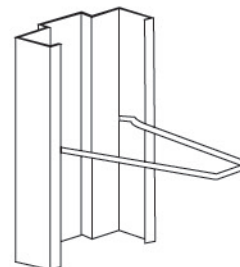
Metal
Builder
Anchor



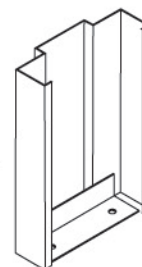
Existing
Masonry
Anchor



Masonry
Strap
Anchor

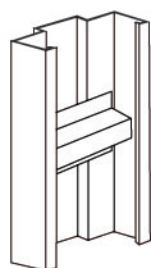


Masonry
Wire
Anchor

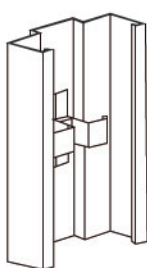


Floor Anchor

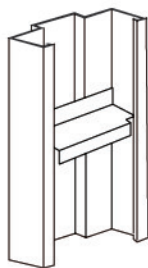
● Dry Wall Applications



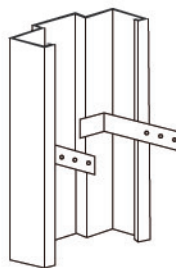
Closed Steel
Stud Anchor



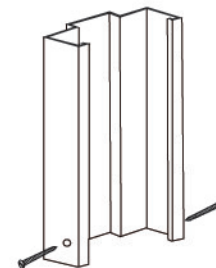
Pressure
Anchor



"Z"
Anchor

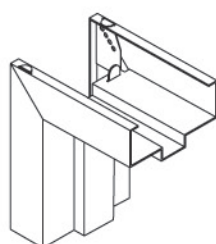


Strap
Anchor

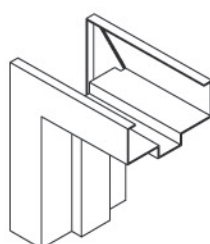


Base
Anchor

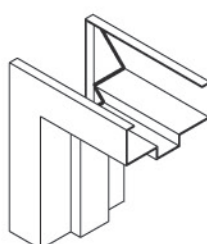
○ Corner Details



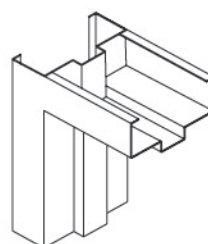
Knock Down
(Mitered)



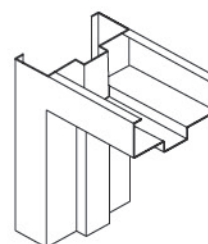
Face Welded Only
(Mitered)



Continuous
Fully Welded
(Mitered)




Face Welded Only
(Butted)



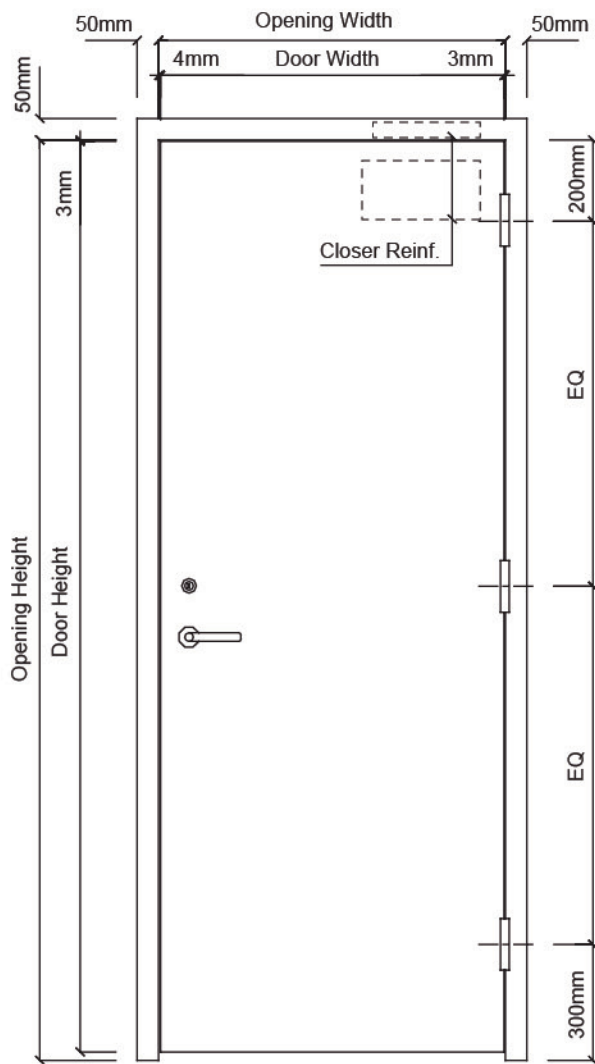
Continuous
Fully Welded
(Butted)

○ Fire Labelling Guide for Steel Frames

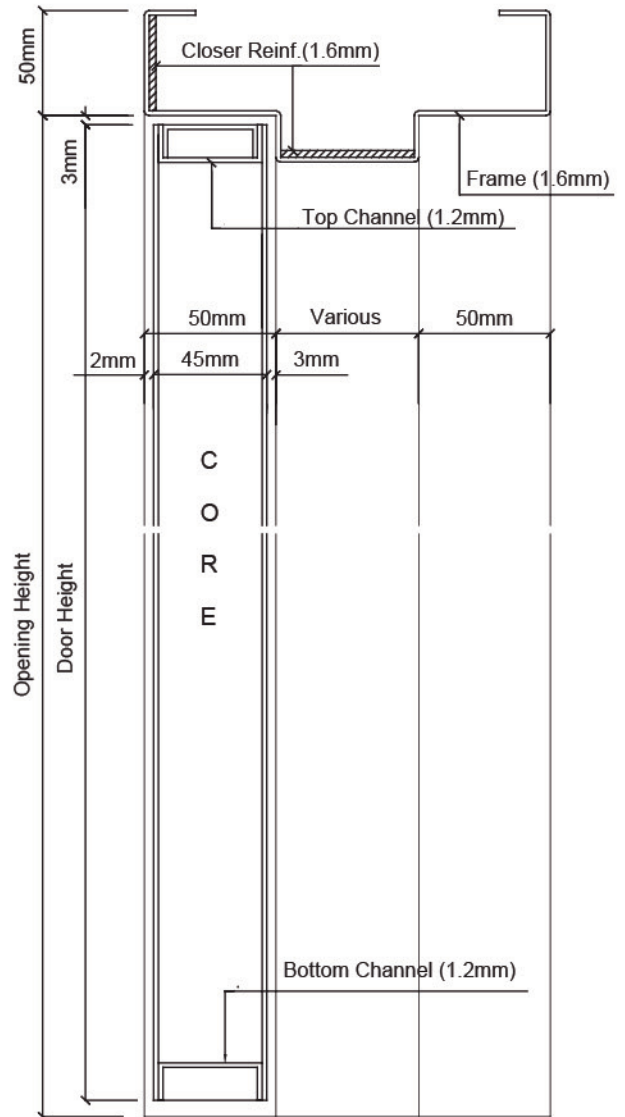
(UL Label)  **FIRE DOOR FRAME** 0063-1-1-S0902
LISTED NO. HN367200

| Type | Elevation | Min. THK. | Max. Nominal Frame Sizes | Available Rating | Notes |
|-----------------|---|--------------|---|---------------------------|--|
| Basic Frames |  | 1.2mm | 52" X 118" (1321mm X 3000mm) Single 100" X 118" (2538mm X 3000mm) Double | 2 hr 1 1/2 hr 3/4hr | For Drywall or Masonry Openings. Available Knock Down or Welded Up. |

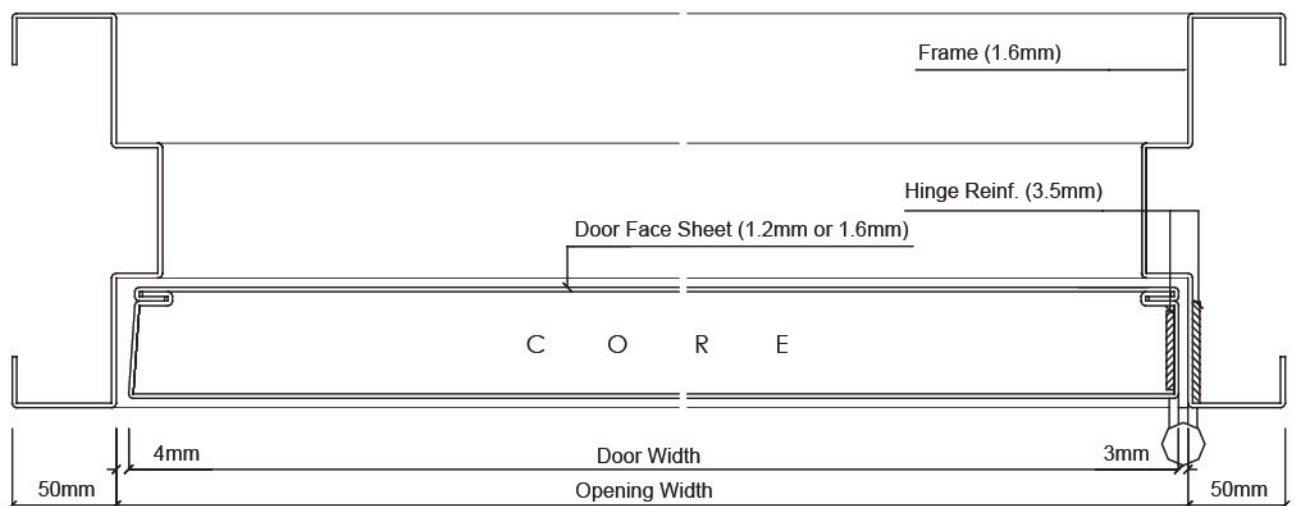
○ Drawing



ELEVATION



VERTICAL SECTION



HORIZONTAL SECTION

Thick Rebated Door

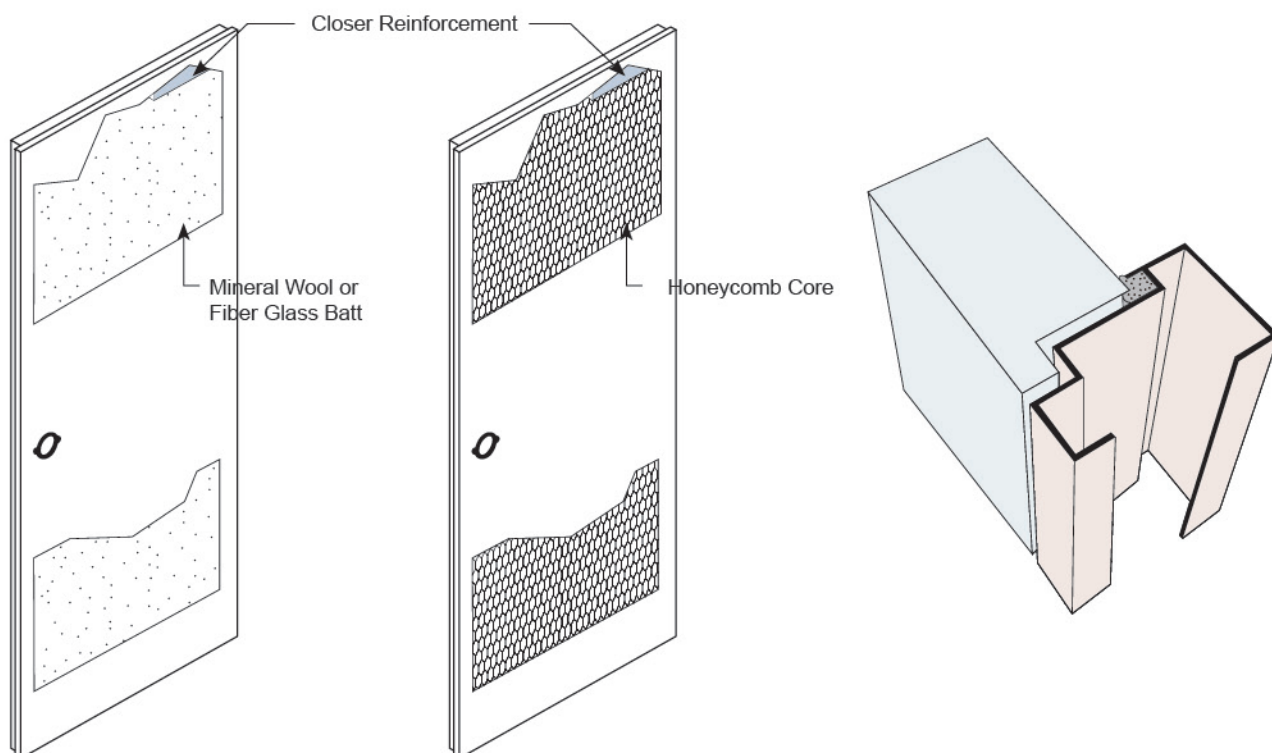


"Here we offer Your Building the value Added Elegance!"

Dongbang Zenith is a synonym of masterpiece door products providing the outstanding performance and graceful appearance.

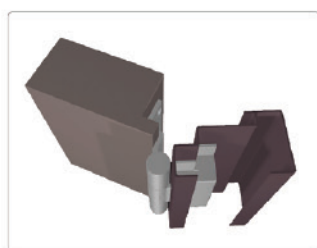


Door Construction

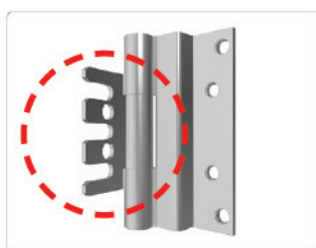


Zenith 2.5D Pocket Hinge

"Innovative concealed ball-bearing technology"



Loading capacity
each hinge 120Kg



Adjustable



Innovative concealed
ball-bearing technology



- 200,000 cycles test
on 160Kg door
- Life time guarantee
- EN1935 Class 11

Door Sealing Rebated Door

Dongbang **Zenith II**

“Dual Gasket construction Provides the Excellence of Sealing Performance!”

Dongbang ZenithII products of excellence come with the highest level of sealing performance.

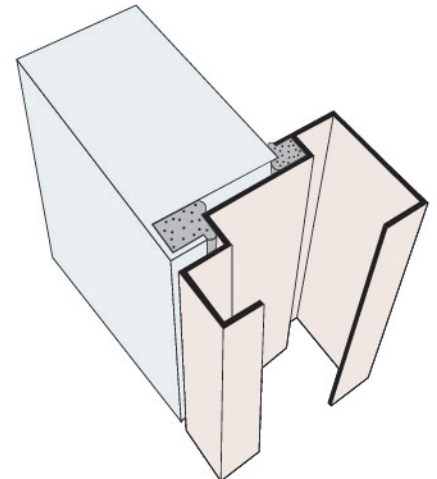


○ Door Construction

● Zenith



● ZenithII



○ Feature

- Noise, condensation and heat loss caused by draft gushing in between the doors and door frames are perfectly interrupted with the outstanding sealing performance.
- Dual gasket installed with Dongbang ZenithII Door product completely interrupts the harmful gases which may come through the doors and door frames in the event of fire accident.

○ Purpose

- ZenithII Door are specified when better soundproof, better airtight and better security are required
- Zenith door leaf rebated on 3 or 4 sides is 45mm thick. Either one or two securing pins prevent the door leaf from bending out in the case of fire. double rubber gasket improve sound proof and airtight which is very effective energy savings.

Fire rated Glass Door

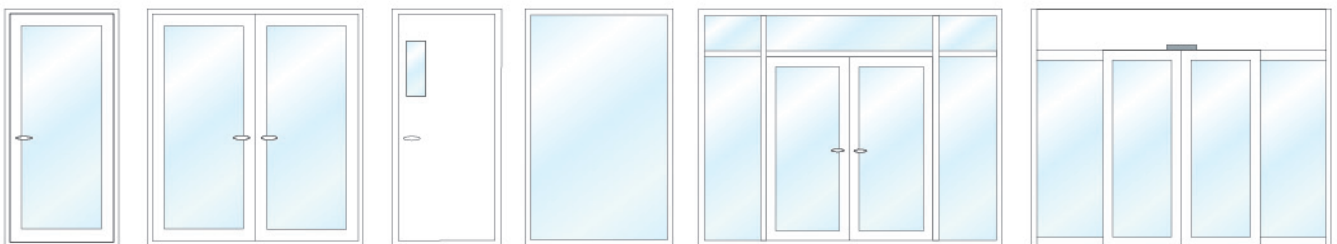


"keeps the Safety at Invisible Spots!"

The definition of safety in daily living becomes totally different as you live with the Fire Rated Glass Door. The Dongbang novoferm's Zenith Fire Rated Glass Door as processed by the in-house technology are made with the special fire protecting glass of best quality, which is capable to interrupt the flame for over 1 hour in the event of fire accident while safekeeping the transparency for long period of time allowing people on the fire spot safely evacuate.



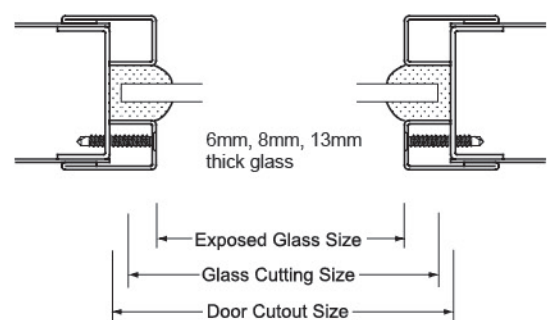
Designs



Specification

| Spec. | Detail | Remark |
|--------------------|--------------------------|---------------|
| Steel Thickness | SUS 1.2T / ST'L EG 1.6T | |
| Frame Max. Size | 2000mm(W) X 3000mm(H) | Fixed Windows |
| | 1200mm(W) X 2400mm(H) | Single Door |
| | 2200mm(W) X 2500mm(H) | Double Door |
| | 3000mm(W) X 2700mm(H) | Double Auto |
| Glass Thickness | 8mm | |
| Glass Weight | 21Kg/m ² ±0.5 | |
| Glass Color | Extra Clear | |
| Light transmission | 88.60% | |

Glazing Type



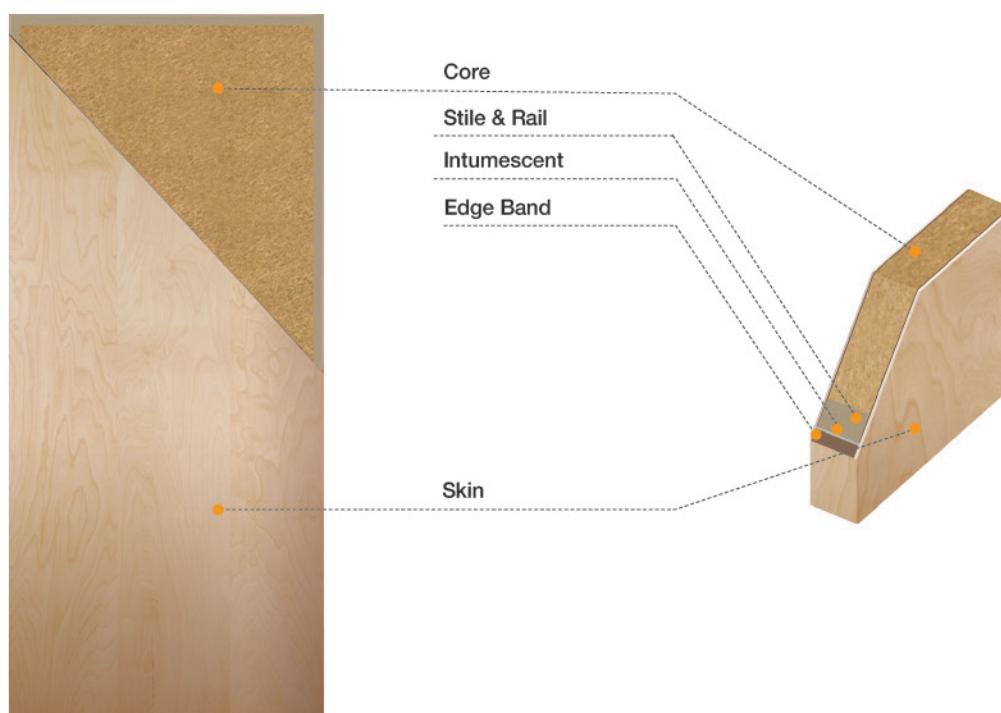


"Elegant Living Space, Dongbang Novoferm's door offers the Safety with Beauty!"

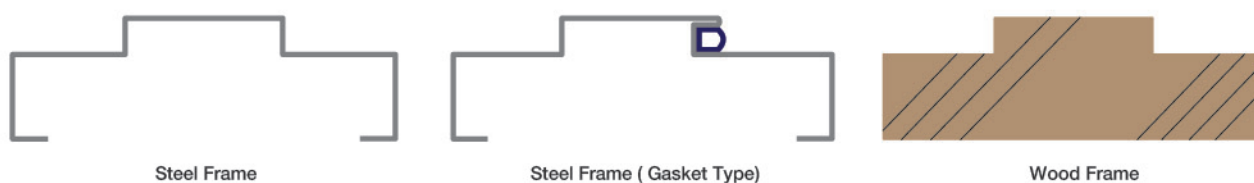
Dongbang novoferm's Fire Rated Wooden Door products are made with the fire protecting core of environmental friendly materials, providing the non-heat isolating, fire protecting performance for 20min ~ 1 1/2hour even employing the wooden finish.



Door Construction



Frame Profiles



Skin

- Wood Veneered Door
- Hardboard Door
- Plastic Laminated Door

Fire Reistance Performance

- 20min
- 45min
- 1hr
- 1 1/2hr

Sliding Door

Dongbang Smoode

"Ease of Light Sliding Action, convenience for Everyone!"

Dongbang Smoode Sliding Door offers the maximum space utilization with the minimal dead space, which is a sloped rail type sliding door provided with convenience and smooth sliding action. Just a little bit of force is required to open and close the door offering convenience to patients, children, senior citizens, and everyone, which is most appropriate for applications at the hospitals, welfare facilities, and nursing homes for senior citizens.



Feature

Silence

The unique roller as designed and developed using the special materials allows the door automatically closed thanks to the sloped rail reducing the opening & closing noise below 45dB.

The hydraulic breaking device minimizes the noise produced from the door striking to door frame during the closing of door by regulating the self closing speed.



Smoode Noise : **45dB**

Smooth

As manufactured with the door opening force below 6.5N for 40kg weighing door, even the patients, children and elderly persons are able to open the door with ease smoothly.


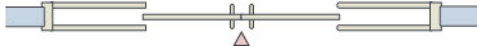










Smoode Opening Force : **6.5N**

Safety

- Hydraulic breaking device safely regulates the door closing speed.
- Rubber gaskets preventing impact on door/door frame and getting fingers caught in the pocket section are provided to prevent the accident in advance.
- No presence of rail on the bottom allows convenience and safety of passages for wheel chairs, medical devices & equipments, patient beds and other stuffs at those locations like hospitals.
- HOLD OPEN Feature Offering Safety and Convenience.

Smoode Type

| Pocket Type | Single | Double |
|---------------|---|--|
| Double Pocket |  |  |
| None |  |  |
| None |  |  |
| Single Pocket |  |  |
| Single Pocket |  |  |

Disabled Door (Balance type)

Dongbang Eldor

"Simply open with Light Force to Automatically closes after Passage!"

Dongbang Eldor product is developed making the best use of those advantages of conventional swing door and sliding door as well as supplementing the disadvantages, which provides the outstanding convenience of passages for wheelchairs requiring the minimal space.

Dongbang Eldor is most suitable for doors at disabled persons for its convenience and comfort of use, and as well appropriate for entrance/exit doors for hospital rooms and welfare facilities.



Feature

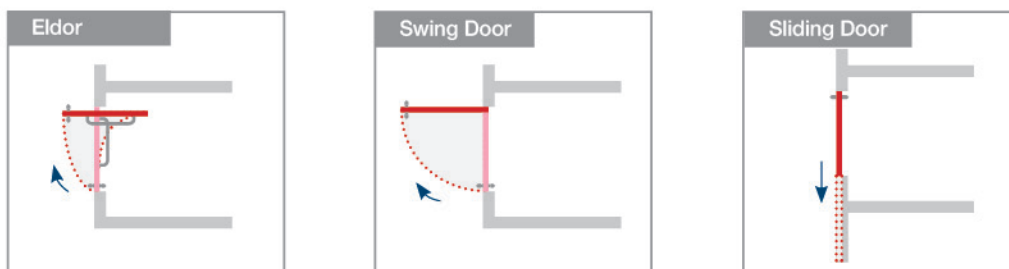
Safety

Dongbang Eldor product works like avoiding the passing persons when opening & closing the door.



Dongbang Eldor has no rail component on the bottom surface offering the convenience and safety for passages of wheelchairs, patients, elderly and weak persons, and prevents the risk of potential accidents in advance by installing the impact preventing rubber gaskets at both corners of door frames. The pulling type Lever Handle prevents the unexpected opening of door by negligence.

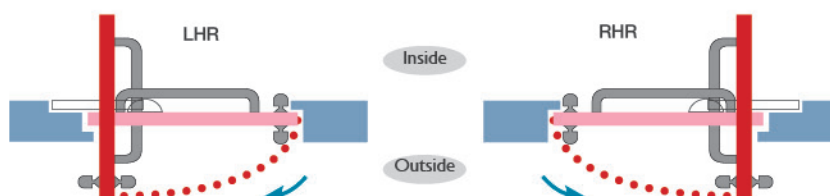
Only Bit of Small Space Required



Convenience

Automatic Closing after Opening with Light Force.

Handling

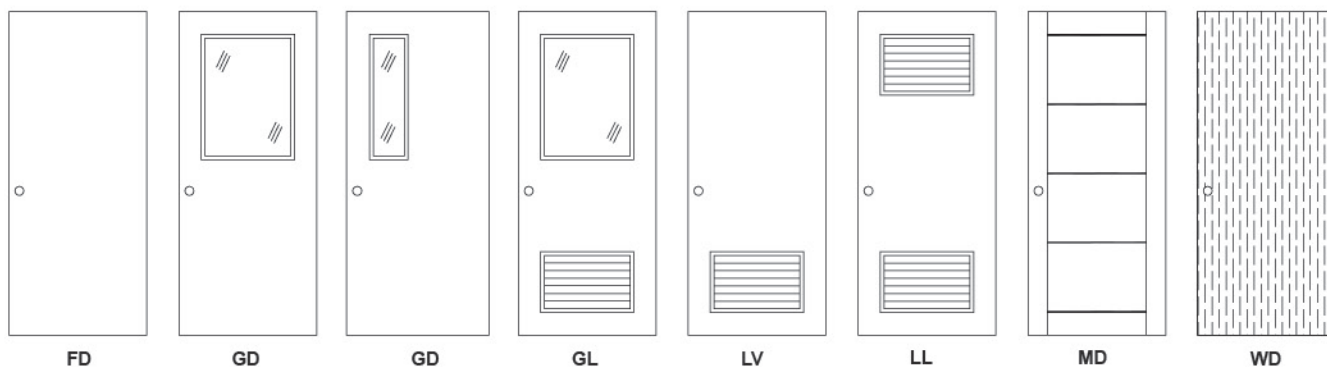


Doors

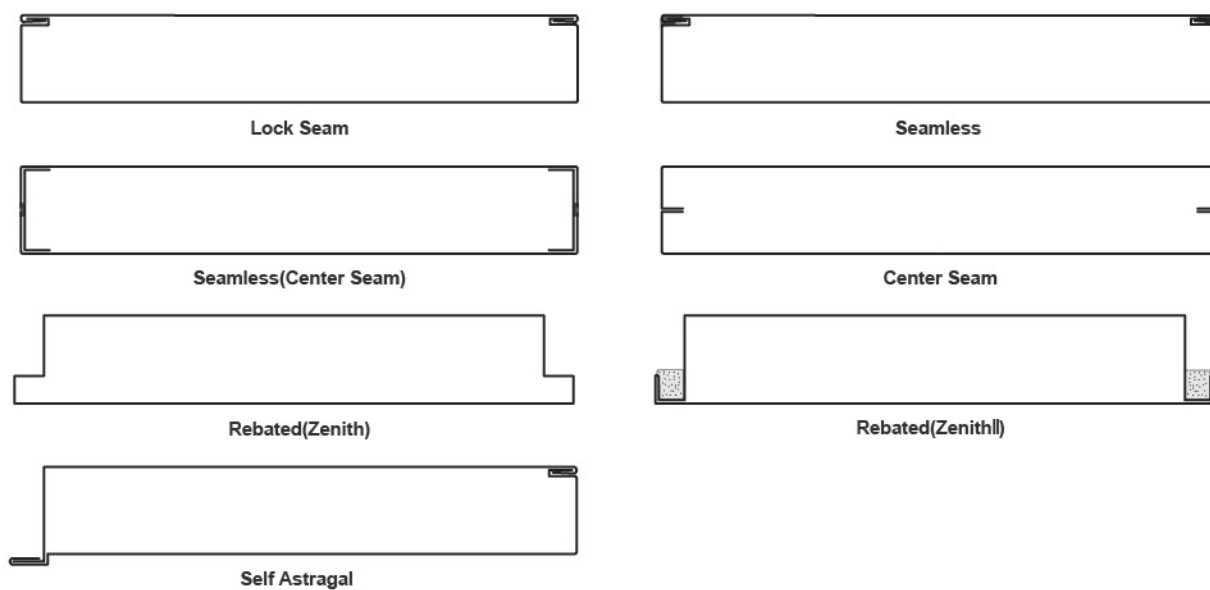
Steel Thickness

0.8mm, 1.0mm, 1.2mm, 1.6mm

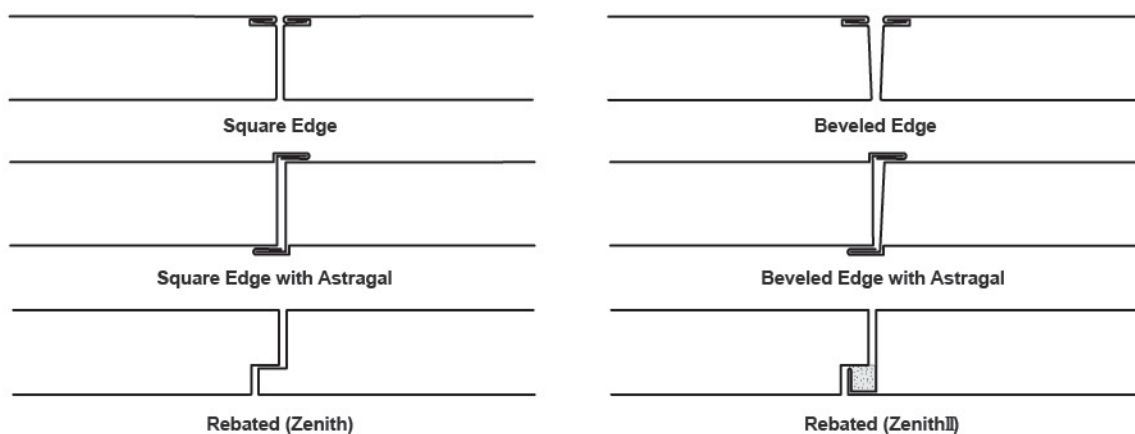
Door Designs



Door Profiles



Meeting Edge - Double Door



○ Edge

- **Square Edge** - 90° to the face
- **Beveled Edge** - beveled 3.2mm/50.8mm

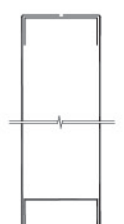
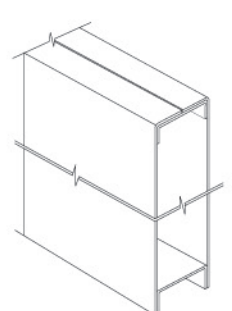
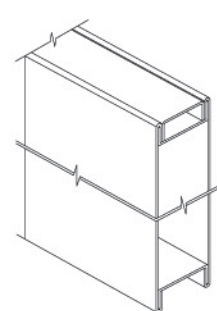
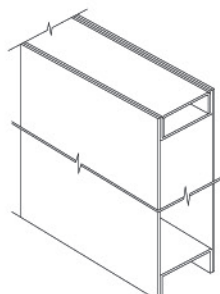
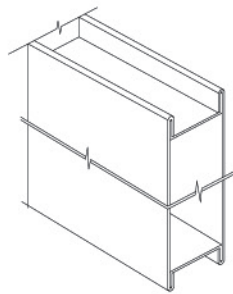
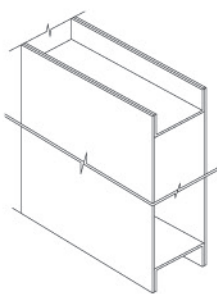


Square Edge

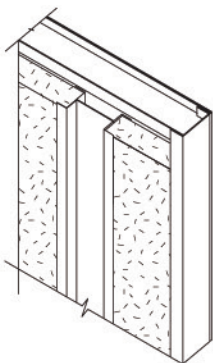


Beveled Edge

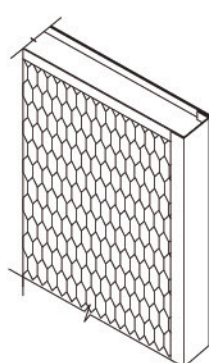
○ Top & Bottom Edge Details



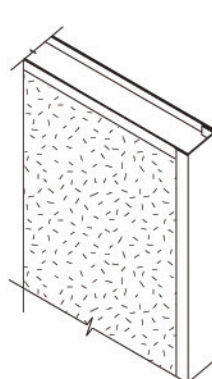
○ Cores



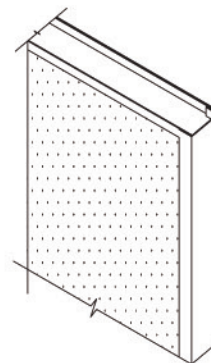
**Steel Stiffened
Mineral Wool**



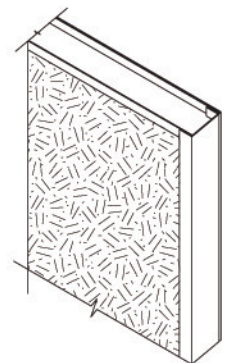
Honey Comb



**Mineral Wool
Board**



Polystyrene



Polyester

○ Door Finishing

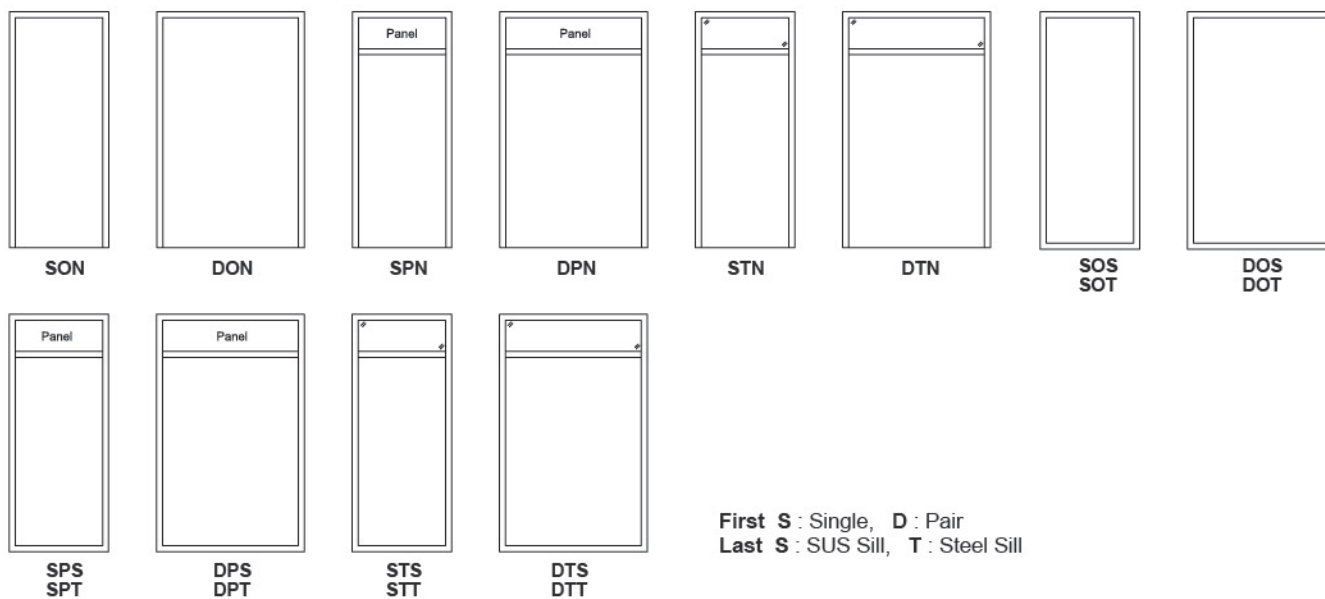
- **Powder Coating**
- **Primer Coating**

Frames

Steel Thickness

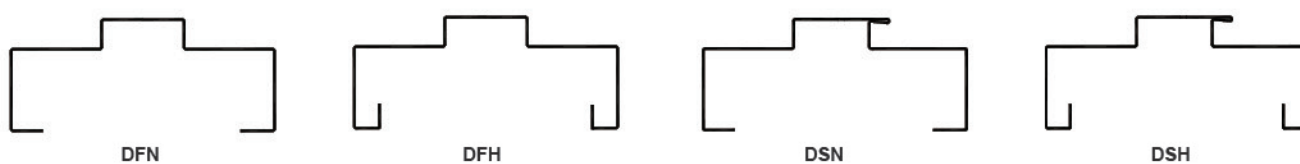
1.6mm, 2.0mm

Frame Designs

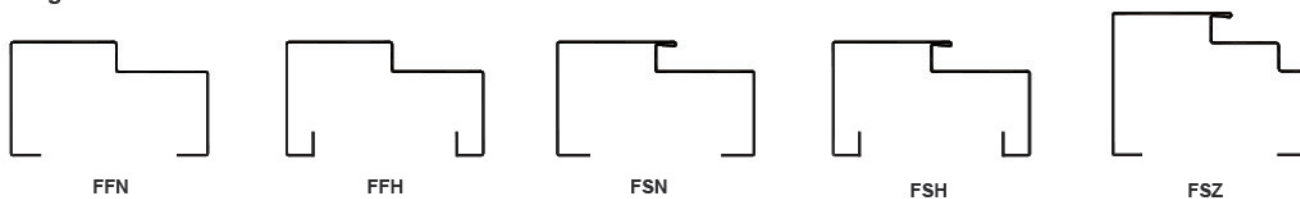


Frame Profiles

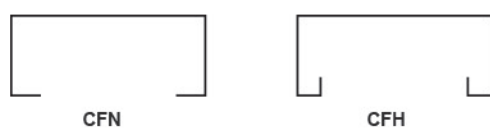
Double Rabbet



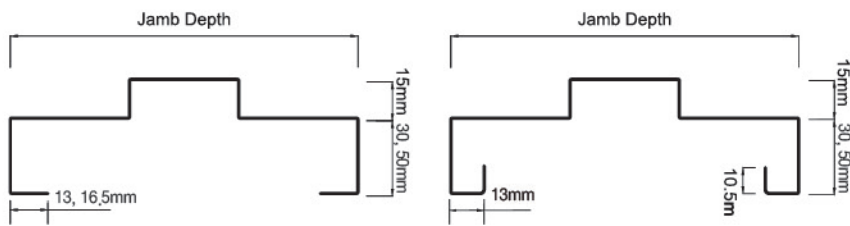
Single Rabbet



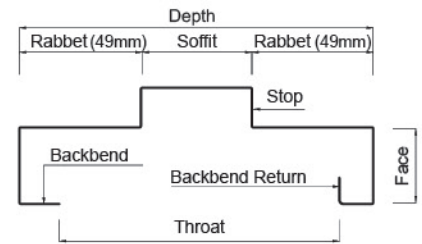
Cased Open



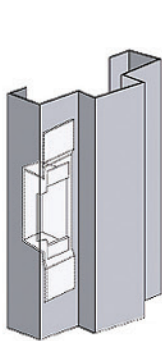
Standard Jamb Size



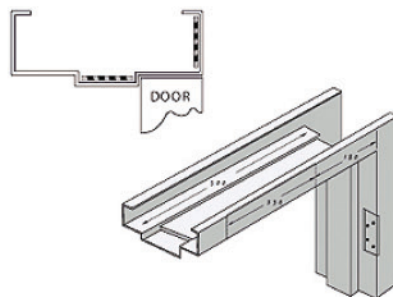
Frame Components



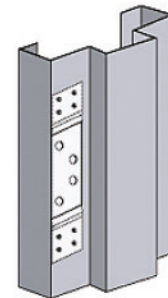
Hardware Preparation



Strike Box



Closer Reinforcement

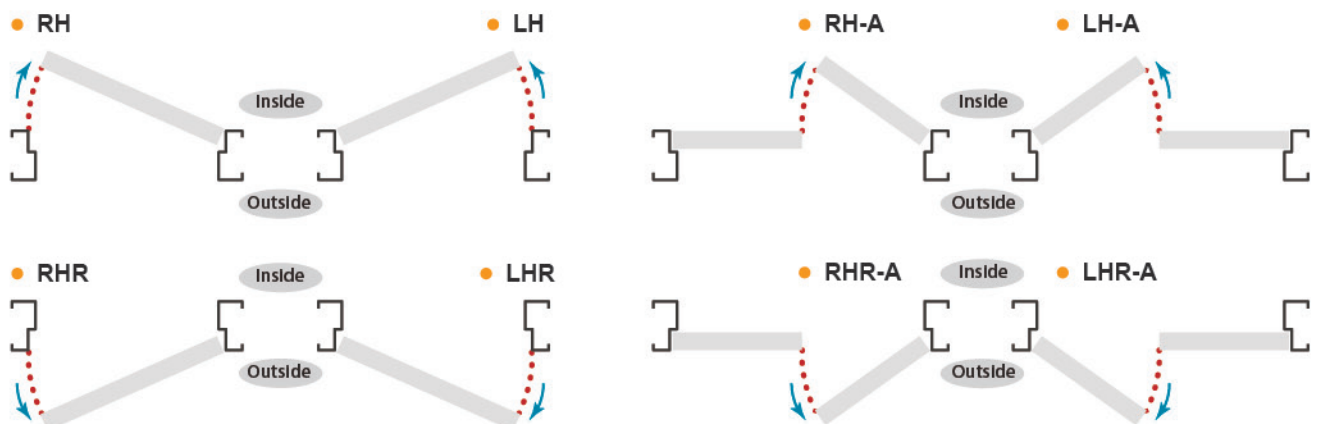


Hinge Reinforcement

Frame Finishing

- Primer Coating

Door Handing





BD-T300D
Standard Size
1400mm(W) x 2400mm(H)



BD-T302D
Standard Size
1400mm(W) x 2400mm(H)



BD-T303D
Standard Size
1400mm(W) x 2400mm(H)



BD-T673D
Standard Size
1400mm(W) x 2400mm(H)



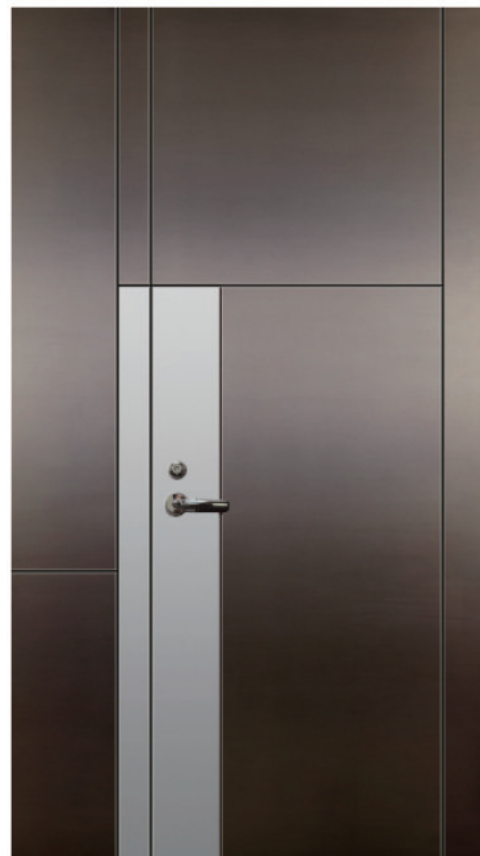
BD-T674D
Standard Size
1400mm(W) x 2400mm(H)



BD-S201D
Standard Size
1400mm(W) x 2400mm(H)



BD-S653D
Standard Size
1400mm(W) x 2400mm(H)



MS-S365D
Standard Size
1400mm(W) x 2400mm(H)

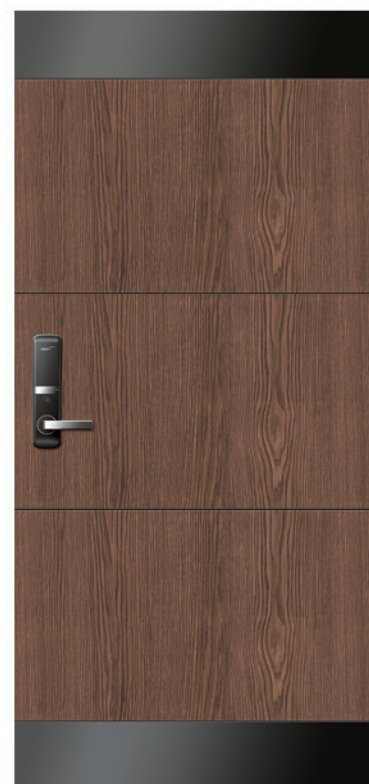
Product Design



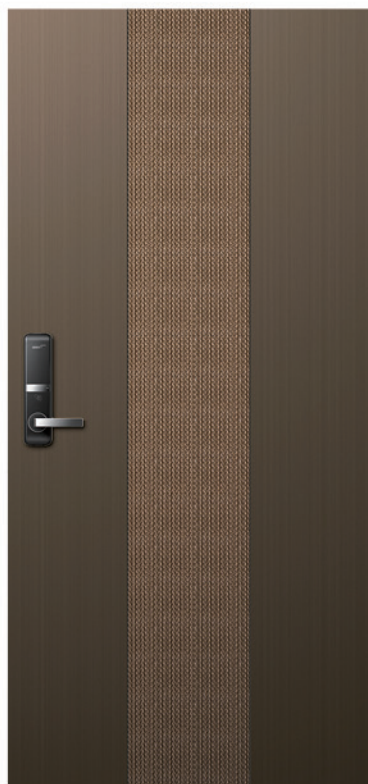
MD-C672
Standard Size
1000mm(W) x 2100mm(H)



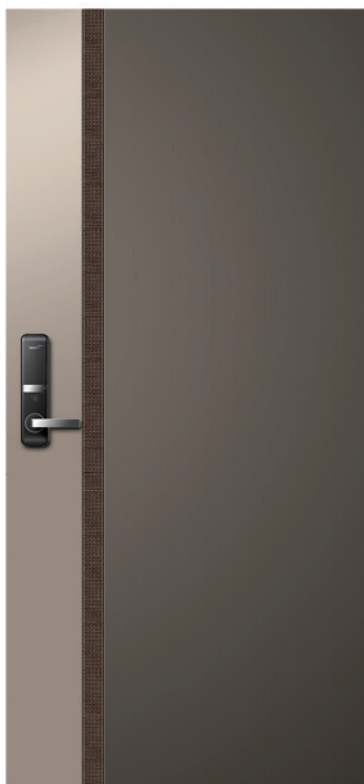
MC-S690
Standard Size
1000mm(W) x 2100mm(H)



MC-S642
Standard Size
1000mm(W) x 2100mm(H)



MC-T670
Standard Size
1000mm(W) x 2100mm(H)



MD-T671
Standard Size
1000mm(W) x 2100mm(H)



MD-S687
Standard Size
1000mm(W) x 2100mm(H)

* The color of image may be different from actual product.



MD-S235
Standard Size
1000mm(W) x 2100mm(H)



MD-S233
Standard Size
1000mm(W) x 2100mm(H)



MD-S314
Standard Size
1000mm(W) x 2100mm(H)



MD-S407
Standard Size
1000mm(W) x 2100mm(H)



MD-S428
Standard Size
1000mm(W) x 2100mm(H)



MD-O445
Standard Size
1000mm(W) x 2100mm(H)

Product Design



MD-S243
Standard Size
1000mm(W) x 2100mm(H)



MD-M211
Standard Size
1000mm(W) x 2100mm(H)



MD-S193
Standard Size
1000mm(W) x 2100mm(H)



MD-S221
Standard Size
1000mm(W) x 2100mm(H)

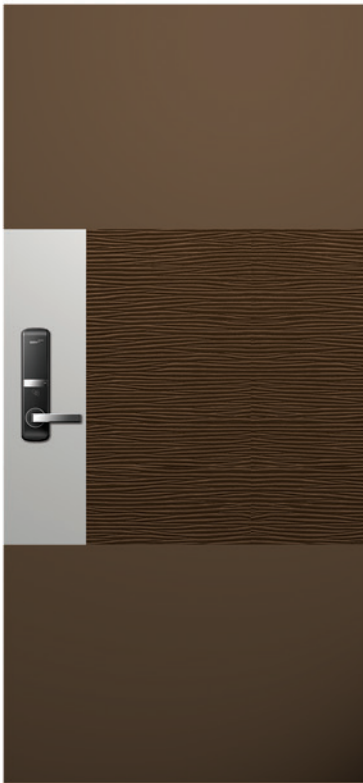


MD-S219
Standard Size
1000mm(W) x 2100mm(H)



ME-S251
Standard Size
1000mm(W) x 2100mm(H)

* The color of image may be different from actual product.



FC-G736
Standard Size
1000mm(W) x 2100mm(H)



FC-G734
Standard Size
1000mm(W) x 2100mm(H)



FC-G737
Standard Size
1000mm(W) x 2100mm(H)



FC-G735
Standard Size
1000mm(W) x 2100mm(H)

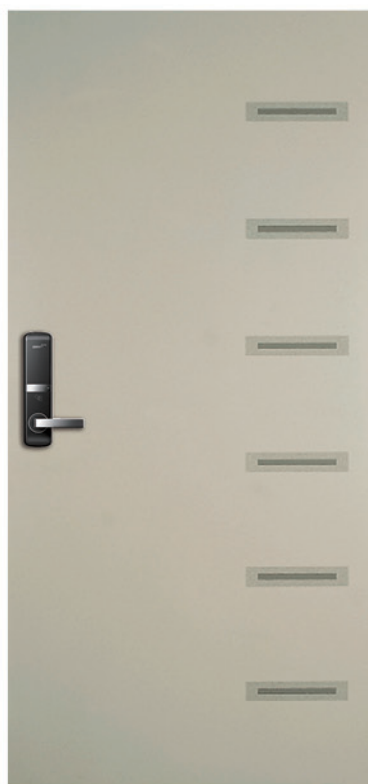


FC-G679
Standard Size
1000mm(W) x 2100mm(H)



FC-G681
Standard Size
1000mm(W) x 2100mm(H)

Product Design



FD-G312
Standard Size
1000mm(W) x 2100mm(H)



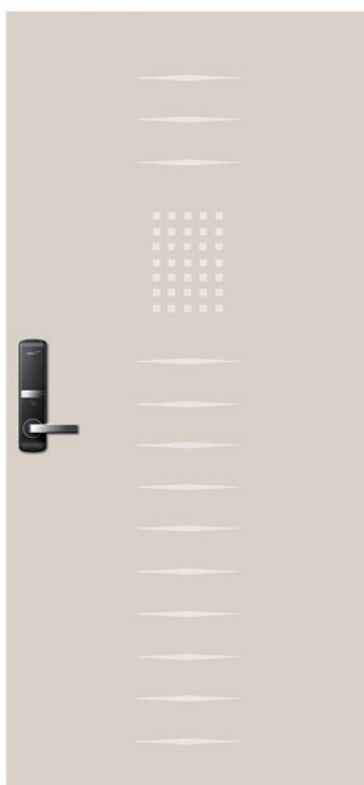
FE-G249
Standard Size
1000mm(W) x 2100mm(H)



FE-N019
Standard Size
1000mm(W) x 2100mm(H)



FD-G139
Standard Size
1000mm(W) x 2100mm(H)



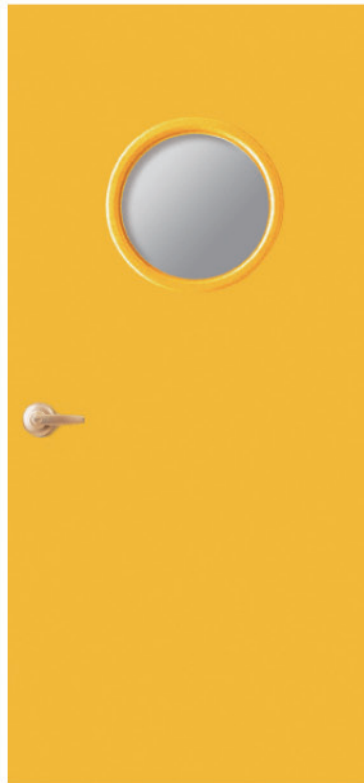
FD-G079
Standard Size
1000mm(W) x 2100mm(H)



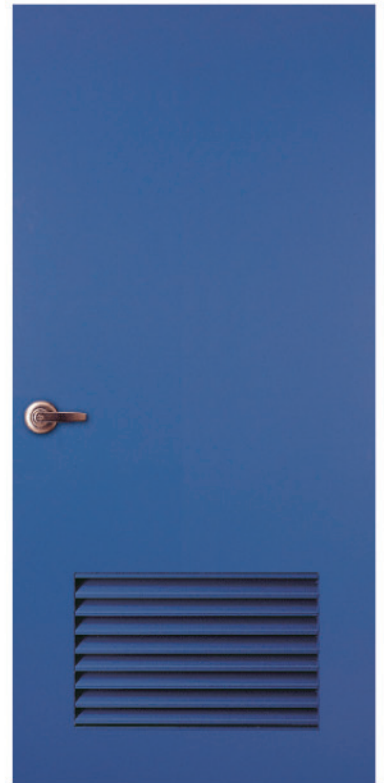
FC-G748
Standard Size
1000mm(W) x 2100mm(H)



FD-N100
Standard Size
1000mm(W) x 2100mm(H)



GD-N101
Standard Size
1000mm(W) x 2100mm(H)



LV-N100
Standard Size
1000mm(W) x 2100mm(H)



GD-N102
Standard Size
1000mm(W) x 2100mm(H)



GD-N100
Standard Size
1000mm(W) x 2100mm(H)



GD-N105
Standard Size
1000mm(W) x 2100mm(H)

Plant

- Vinashin Dockyard, Vietnam
- Pilay Thermoelectric Power Plant, Vietnam
- Shanghai Epson Factory, China
- Hapur Thermoelectric Power Plant, Bangladesh
- Attahaddy Gas Plant, Libya
- Sakhalin LNG Plant, Russia
- Dubai Plant Terminal, UAE
- Kaluga Samsung LCD Factory, Russia
- Moscow Pilot 4 PJT, Russia
- Olympia PJT, Kuwait
- Tripoli Sarir Power Plant, Libya
- Plant Terminal, Mexico
- Kearl Oil Sands, Canada
- Hyundai Mobis, Diamos, Motor, Brazil

Building

- 63 City, Korea
- Asem Tower, Korea
- Star Tower, Korea
- Hoam Art Hall, Korea
- I Park Tower, Korea
- LG Art Center, Korea
- Headquarter of Samsung, Korea
- Headquarter of Hyundai, Korea
- Lotte Department Store in Moscow Russia
- Astana Media Center Kazakhstan
- Esentai Shopping Mall, Kazakhstan
- Hanoi Land Mark Tower, Vietnam
- Doha Convention Center, Qatar

Public Institution

- Incheon International Airport, Korea
- Parliament Buildings, Korea
- The National Digital Library of Korea, Korea
- Yongsan-g Office, Korea
- Sungdong-gu Office, Korea
- Sunghnam City Office, Korea
- Korea Embassy in Moscow, Russia

Residence

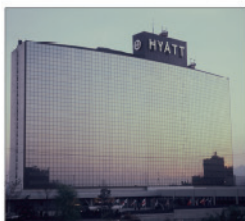
- Tower Palace, Korea
- Pilay Thermoelectric Power Plant, Vietnam
- Haewoondae I-Park, Korea
- Dongchun Raemian, Korea
- Yongsan Park Tower, Korea
- Bundang Venture Town, Korea
- Tashkent High Vill Apartment, Kazakhstan

Hotel

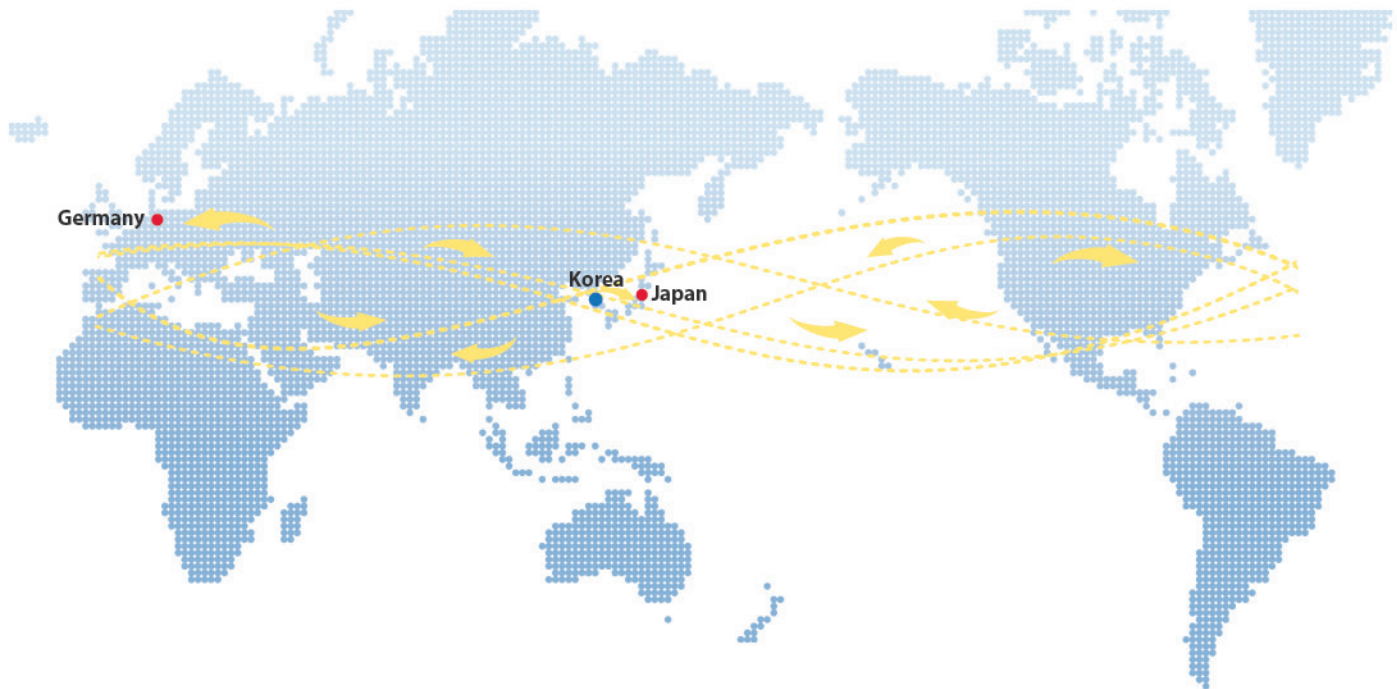
- Grand Hyatt Hotel, Korea
- Hotel Shilla, Korea
- Sheraton Walker Hill, Korea
- InterContinental Hotels Seoul, Korea
- Novotel Ambassadors Hotel, Korea
- Riverside Hotel, Korea
- Park Hyatt Hotel, Korea
- Guam Dai-Ichi Hotel, USA
- Rwanda Intercontinental Hotel, Angola
- Hanoi Marriot Hotel, Vietnam

Hospital

- Pusan National University Hospital, Korea
- Severance Hospital, Korea
- Seoul National University Hospital, Korea
- Asan Medical Center, Korea
- Jeju National University Hospital, Korea
- SMG-SNU Boramae Medical Center, Korea



"Advanced Technology for Door"



Novoferm GmbH.

Novoferm GmbH.(Germany), which is one of the largest door manufacturer in Europe and has the total of 16 corporations within Europe. They' re holding more than 2,400 staffs currently, the company has the No.1 share in the European steel door & window market in each field of household use, fireproof, crime prevention, garage use and commercial uses.



Sanwa Shutter Corp.

Sanwa Shutter Corp. is the world's largest door manufacturer which has 9 corporations with more than 7000 staffs in Japan and 11 overseas corporations including Overhead Door Corp. which is the world's largest garage door manufacturer based in the USA.



The Genuine. The Original.



We make the best

Dongbang Novoferm Inc.

Head Office

Add. 15, Seoulsiripdae-ro, Dongdaemun-gu,
Seoul, Korea

Tel. 82-2-2212-6442 Fax. 82-2-2247-5695

E-mail. overseas@steeldoor.com



ISO 9001



Middle East
Certificate