

since 1957

**novoferm**<sup>®</sup>  
**DONGBANG**

*Specialized Doors & Frames*

Acoustic Doors  
Blast Resistant Doors  
Bullet Resistant Doors



**Dongbang Novoferm Inc.**

# Acoustic Doors

Acoustic steel doors from Dongbang Novoferm are designed and built products with the technology cooperation between the [technology accumulation by AMBICO for 60 years and by Dongbang Novoferm for 57 years](#), which are in perfect harmony with their beautiful appearance and excellent sound-proof effect. In particular, record of STC53 with light and thin door is our superb technology-proven result.

## STC(Sound Transmission Class) ratings

### - Steel Acoustic Door

**STC 33 ~ STC 53** Door Thk. 45mm

**STC 54 ~ STC 64** Door Thk. 46mm~150mm

### - Wood Acoustic Door

**STC 33 ~ STC 53** Door Thk. 45mm

**STC 51 ~ STC 54** Door Thk. 46mm~70mm

## Product

- Single door, Double door, Fire-rated single door, Fire-rated double door

## Fire Test

-Tested and certified in accordance with NFPA-80, UL(Underwriters Laboratories) and Warnock Hersey International.

## Finish

- Steel Acoustic Door : Powder Coating
- Wood Acoustic Door : Available various options –such as, Walnut, Cherry, Maple or Oak- and door edge is finished with same sliced veneer used in door face.

## Set of Acoustic door

- 철재 방음문틀, 철재 방음도어, Gasket(문틀용), 하부 Gasket(문짝용), 방음유리(적용시 공장설치 출고)

## Standard weight of Acoustic Steel Door

STC 46	STC 51	STC 53	STC 59
39kg/m <sup>2</sup>	49kg/m <sup>2</sup>	73kg/m <sup>2</sup>	109kg/m <sup>2</sup>



Steel Acoustic Door



Wood Acoustic Door

# Blast Resistant Doors

- ✓ Blast resistant doors are intended to protect lives and prevent the major facilities from destruction, the explosion and collapse of oil and gas plant, chemical plant, nuclear power plant, military facilities, evacuation facilities, etc, and the explosion wave which can be resulted from all kinds of bombings, explosions or etc.
- ✓ Blast resistant doors from Dongbang Novoferm have 3 types of classes-Low Range units, Mid Range unit and High Range unit, which comprise blast-resistant and fire-rated frame and door. Blast resistant doors are used for military facilities, storage area of dangerous materials, automobile, chemistry, petrochemical plant, nuclear facilities, etc.
- ✓ Blast resistant doors from Dongbang Novoferm are designed, produced and supplied in compliance with the performance demanded by customers through the structure calculation in respect of the blast-resistant performance required by such facilities with Engineering Support of AMBICO.
- ✓ Blast resistant doors from Dongbang Novoferm are manufactured in accordance with the requirements and specification of US DOD, U.S State Department, United States Security Service, and standards of ANSI, HMMA, NFPA. bill of the authorized engineer.
- ✓ Blast resistant doors are only tested to the limited prototype and the most products are generally verified by the structural bill of the authorized engineer.

## Range unit

- Low Range units **60 PSF (3 kn/m<sup>2</sup>) to 2 PSI (14 kn/m<sup>2</sup>)**
- Mid Range units **3 PSI (21 kn/m<sup>2</sup>) to 8 PSI (55 kn/m<sup>2</sup>)**
- High Range units **9 PSI (62 kn/m<sup>2</sup>) to 50 PSI (345 kn/m<sup>2</sup>)**

## Available Options

- Vision Lites
- Sidelites and/or Transom
- Welded or Removable Mullion
- Fixed or Removable Transom Panel
- Installation of automatic hardware for automatic operable door leaves
- Available with up to 3Hrs fire-rating

## Hardware

- All hardware are reviewed and supplied by our engineers
- Hinge: Heavy-duty Butt hinge or Cast Stainless hinge for blast doors
- Lock: Mortised Lock, Mortised Exit Device Multi-point Lock for blast doors
- Other hardware



# Bullet Resistant Doors

- ✓ Bullet-resistant doors from Dongbang Novoferm are designed and supplied as two types Steel Bullet resistant doors and Wood Bullet resistant doors.
- ✓ All Bullet resistant doors from Dongbang Novoferm are certified by UL 752 “ Standard for safety for Bullet Resisting Equipment”

## Level

Bullet resistant doors from Dongbang Novoferm have ratings level from **Level.1 ~ Level. 10 Certified by UL.**

## Place

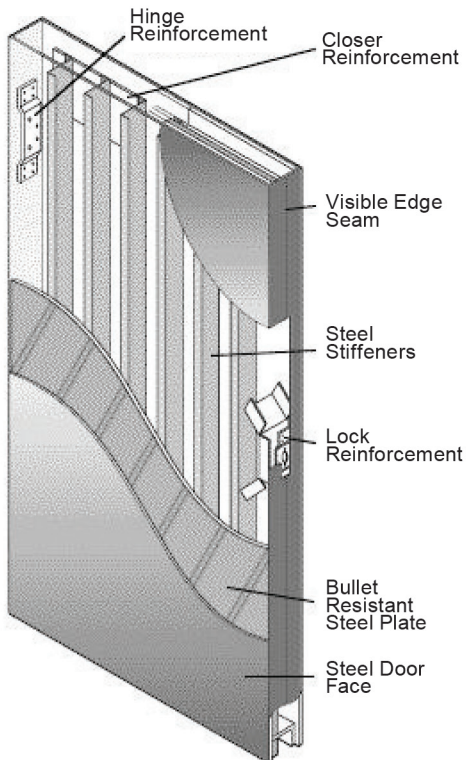
- Police station
- Bank
- Jail
- Communication center
- Court, etc...

## Finish

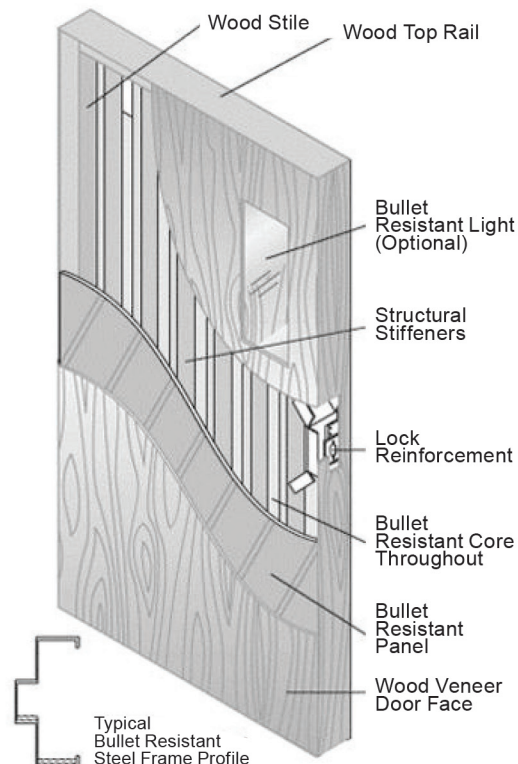
- Steel Door : Powder Coating
- Wood Door : Available various sliced veneer and door edge is finished with same sliced veneer used in door face.

## Set of Bullet resistant door

- Bullet resistant steel frame, Bullet resistant wood or steel leaf/leaves, glazing for Bullet resistant(if purchase).



Steel Bullet Resistant Door



Wood Bullet Resistant Door

# *We make the best*

## **Dongbang Novoferm Inc.**

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ISO 9001



Middle East  
Certificate