



BLAST RESISTANT STEEL DOORS

SPECIALTY DOORS



SPR blast resistant door as sure blast protection and dependable service under critical conditions for interior or exterior environments including

- Chemical, paint or hazardous material storage rooms
- Pharmaceutical facilities, college laboratories and other R & D areas
- Bioscience and nanotechnology research buildings
- Refineries, petrochemical and other industrial complexes
- Nuclear power stations
- Engine test cells
- Ammunition depots, munitions storage facilities and arsenals
- And, numerous other applications.

To certify the swing door system, the blast door manufacturer must supply all components including the frame, hinges, door panel and latching hardware. ALL of SPR swing blast doors contain these essential items. Sliding doors are also furnished with the necessary equipment ----track and trolleys , hanging brackets , door panel and blast restraints.

SPR Blast resistant products have been analyzed and/or tested by an independent, nationally recognized engineering laboratory to meet the blast conditions for which they are certified. Most of the analyses are validated by actual shock tube or static pressure testing, and are either used to extend the physical sizes of door/frame assemblies or to extend the peak blast pressure and/or impulse that the designs will resist

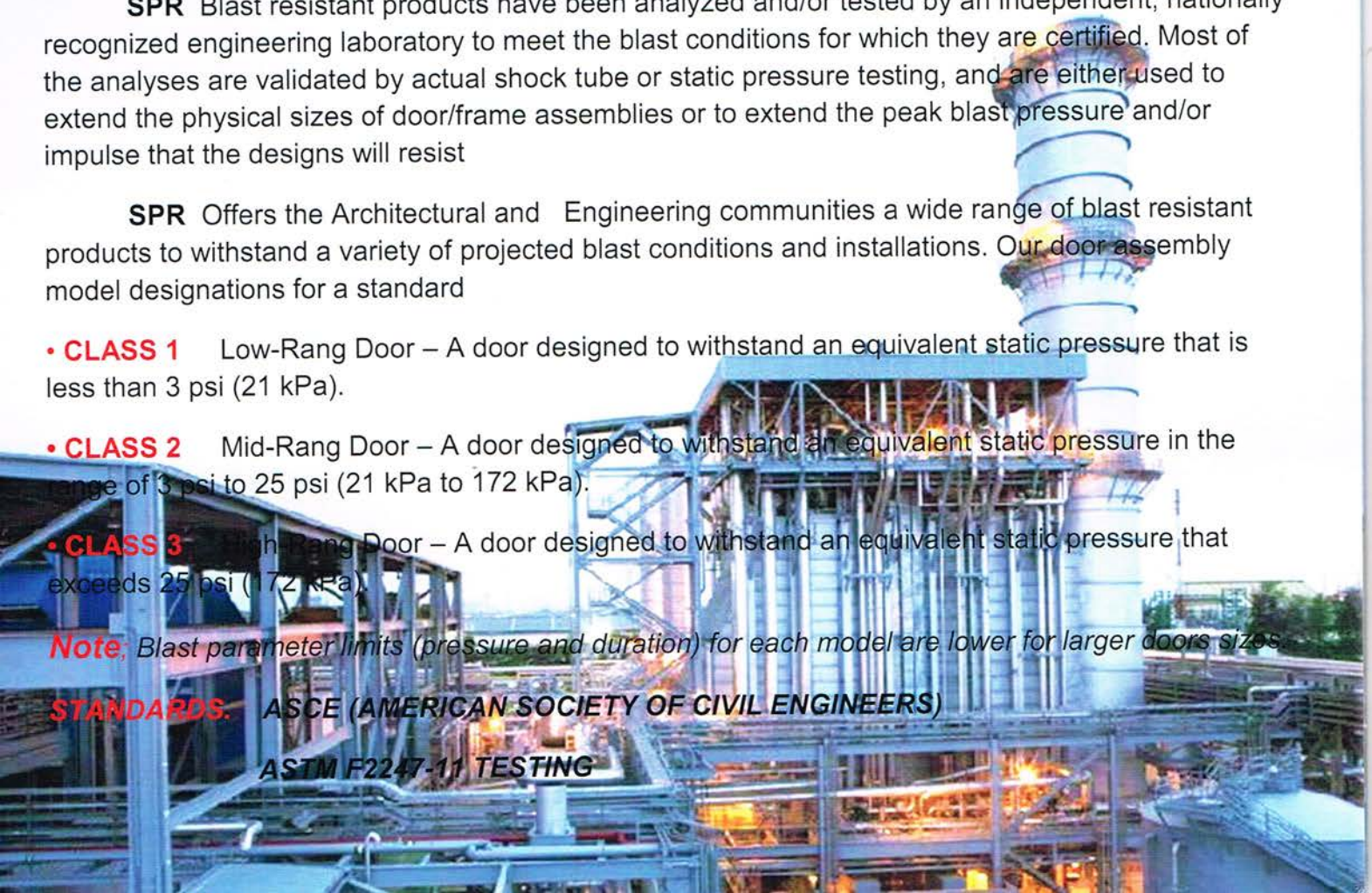
SPR Offers the Architectural and Engineering communities a wide range of blast resistant products to withstand a variety of projected blast conditions and installations. Our door assembly model designations for a standard

- **CLASS 1** Low-Rang Door – A door designed to withstand an equivalent static pressure that is less than 3 psi (21 kPa).
- **CLASS 2** Mid-Rang Door – A door designed to withstand an equivalent static pressure in the range of 3 psi to 25 psi (21 kPa to 172 kPa).
- **CLASS 3** High-Rang Door – A door designed to withstand an equivalent static pressure that exceeds 25 psi (172 kPa).

Note, Blast parameter limits (pressure and duration) for each model are lower for larger doors sizes

STANDARDS. ASCE (AMERICAN SOCIETY OF CIVIL ENGINEERS)

ASTM F2247-11 TESTING



FRAM & REINFORCING MEMBERS

H-SECTION & CHANNEL STEEL

FOR LEAF

HARD WARE

1. BUTT HINGE STAINLESS STEEL (HEAVY DUTY)
2. DOOR CLOSER (HEAVY DUTY)
3. PULL HANDLE STAINLESS STEEL
4. AIR-TIGHT RUBBER
5. GREMON BOLT LOCKS SET OR PANIC LATCH SET

PRIMER COAT

TOA – CHUCOKU PAINT (UMIGUARD SX)

FINISHING PAINT

TOA – CHUCOKU PANNT (UNY MARINE 100 HS)

STANDARD OPENING WIDTH

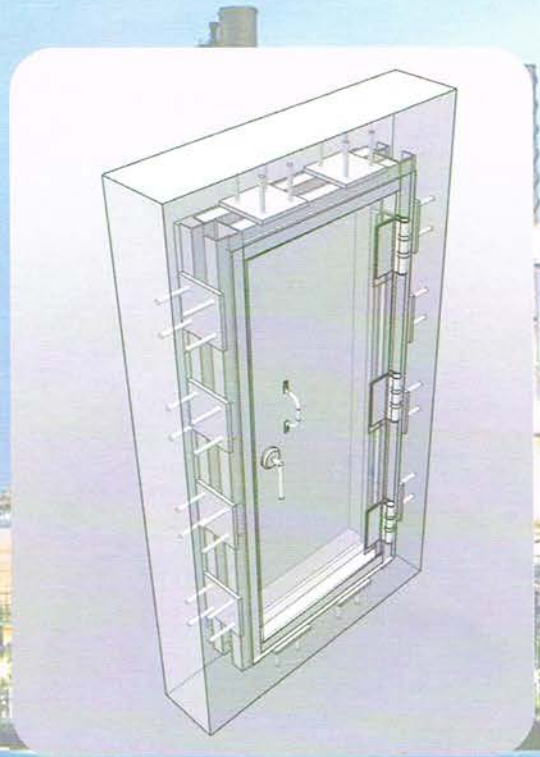
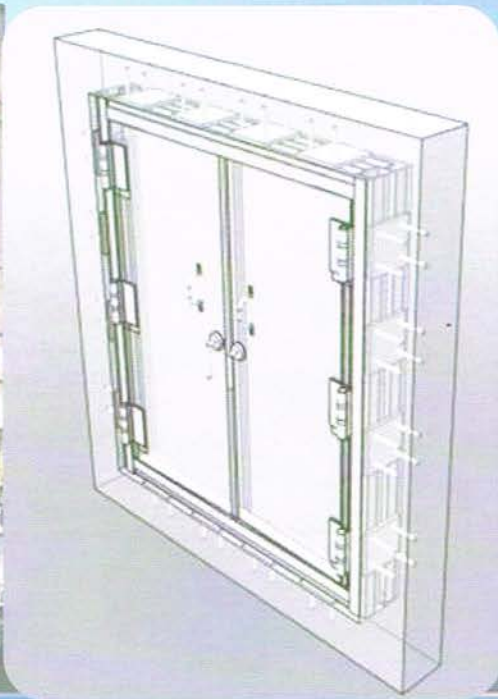
(W) 1000 X (H) 2100 mm. (SINGLE DOOR)

(W) 1,800 X (H) 2100 mm. (DOUBLE DOORS)

MAXIMUM OPENING WIDTH

(W) 1,500 X (H) 3,000 mm. (SINGLE DOOR)

(W) 3,000 X (H) 3,000 mm. (DOUBLE DOORS)





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