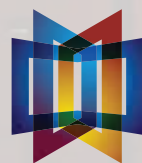




blast resistant doors
& frames



trinity
doors

an engineered solution to any opening

blast resistant doors & frames

Trinity Doors manufactures blastresistant steel doors and frames at its state-of-the-art facility in Dubai as per the design guidelines, standards and licensee from AMBICO Limited, Canada. Our blast resistant product range is readily available and is complete with builders' hardware that provides an easy-to-operate door system.

Blast doors are specially designed for ensuring safety in buildings situated in hazardous or potentially explosive environments. Manufactured from steel, blast doors are constructed as a composite panel consisting of solid steel faces with heavy duty reinforcement stiffeners as core. Blast resistant steel doors and frames combine blast and air pressure resistance and yet function similarly to standard hollow metal products. When the door is under pressure in the out-swinging position, the latch mechanism and hinges are subject to severe structural loads. Our proposed door hardware has been specifically designed and tested to form an integral part of blast door units. We also provide high quality anti corrosive coating, in a wide range of RAL colors, to enhance the performance and aesthetic appearance of blast doors and frames.

applications

Blast doors are most suitable for highly sensitive industrial buildings like refineries, petrochemical and nuclear power stations. They are also used in pharmaceutical facilities, college laboratories, research and development facilities and chemical or hazardous material storage rooms. Blast doors have specified applications in government and military units such as engine test cells, ammunition depots, munitions storage facilities, missile tests and launch sites.

features

- Full engineering capability to design and manufacture blast products that meet customer specifications and safety standards
- Testing of units by independent laboratories that comply with latest test standards
- Fire labeled products, tested in accordance with NFPA-80 and certified by Underwriters Laboratories and Warnock Hersey International
- Blast doors are available with factory pre-installed glazing
- Blast doors are available in various thicknesses with ratings from 15 PSF to any specific project requirement
- Capacity to meet specific blast resilient criteria from low to mid-range blast ratings
- Units have been designed to accept readily available, heavy duty blast rated hardware

Custom specified units and pressure ratings to suit individual project requirements

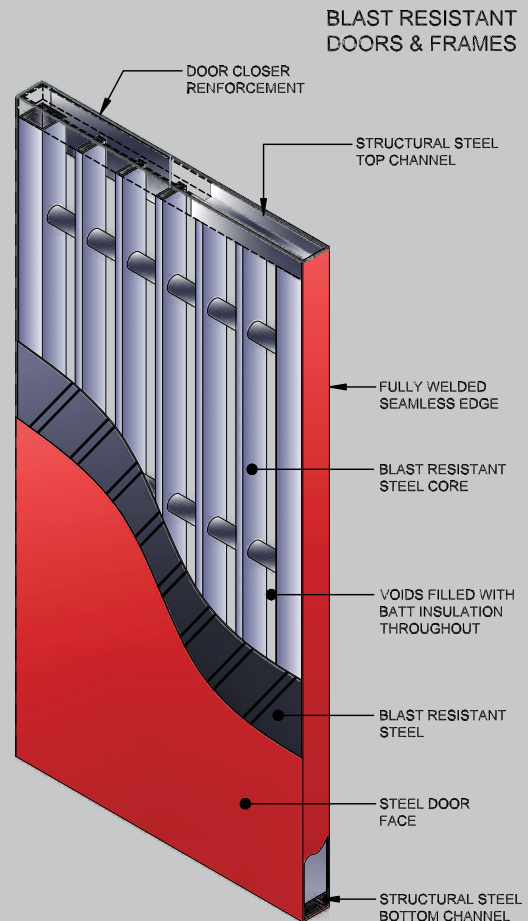
models available

| Product range | Blast pressure rating |
|------------------|-----------------------|
| Low range units | 15 PSF to 2 PSI |
| Mid range units | 3 PSI to 8 PSI |
| High range units | 9 PSI to 50 PSI |

doors & frames

- Doors & frames are manufacturer's proprietary standard, tested and engineered as part of a fully operable assembly, including door, frame, gasketing and hardware in accordance with ASTM E-330, the most current edition to provide the blast resistance, specified by the architect or engineer
- Frames products are accurately mitered and securely welded on the inside of the profile
- Welded joints shall be ground to a smooth, uniform finish
- Doors and frames will be blanked, reinforced, drilled and tapped for mortised, templated hardware
- Doors and frames will be reinforced, where required, for surface mounted hardware
- Factory-applied primer and top coat are applied in specified RAL color as per project requirements
- We can supply hinges & latching device in conformance with blast resistant requirements of project

Habshan – 5 utilities & off-sites, Abu Dhabi, UAE
 Habshan – 5 Integrated gas development facility, Abu Dhabi, UAE
 Fertil 2- Ammonia & Urea Expansion, Abu Dhabi, UAE
 Bab Gas Compression – Habshan, Abu Dhabi, UAE
 Bahrain National Gas – Compressor Station (CS-9), Bahrain



pressure load

Door/ frame unit to withstand specified explosive pressure loads as measured in pounds per square inch (PSI), pounds per square foot (PSF) or kilopascals (KPa) as per ASTM E-330. As part of the submittal process, the manufacturer of the door/ frame unit shall submit independent calculations data indicating compliance with the explosive pressure load, specified by the project architect or engineer.



warranty

Material and workmanship shall be warranted by the manufacturer for a period of 5 years from the date of supply, in line with our General Warranty clauses.

Authorized dealer for Trinity Doors in UAE



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metal tech

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product range

- Stainless Steel Doors
- Hangar Doors
- Overhead Sectional Doors
- Fire Rated Doors
- Bullet Resistant Doors
- Sliding Doors
- Acoustic Doors
- Lead Lined Doors
- Detention Doors
- Roller Shutters
- Glazed Doors



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