

BLAST RESISTANT BUILDINGS

CUSTOMISED CONTAINER SOLUTIONS FOR MINING, OIL AND GAS INDUSTRIES

Royal Wolf offers an extensive range of certified modular blast resistant buildings to suit the specific requirements of the Oil, Gas and Petrochemical industries. These modular buildings are designed, engineered and manufactured by Royal Wolf to provide a safe zone for personnel and equipment in the event of a gaseous vapor cloud explosion. The buildings comply with 'Design of Blast Resistant Buildings in Petrochemical Facilities' – ASCE (American Society of Civil Engineers-REV 2), (ISBN 0 7844-0265-5).

Blast resistant buildings are available in 20ft and 40ft modules, these can be interconnected in an open plan format to form larger working spaces. Each building is fully certified with detailed drawings and features including a steel frame with vertical corrugated steel sides, die stamped corrugated steel roof, ISO corner fittings at eight corners, steel sub floor with compressed cement sheet floors and finished with commercial quality slip resistance vinyl. With blast overpressure ratings varying from 0.9 psig through to 10.0 psig, Royal Wolf have the most extensive range of standardised products within the industry.

Blast resistant buildings are delivered with tie down components and hardware, reticulated with plumbing, electricity, data and fail to safe air handling, HVAC facilities and other equipment may also be supplied. Footing options available include a 'no dig' top of ground, patented, demountable counterweighted footing structure on which to position one or more modules.

Internal designs allow for a variety of applications including medical centres, safe rooms, permit offices, gate houses, first aid rooms, change rooms, ablutions, lunch rooms, kitchens and various designs of offices and conference centres. Alternatively they can be customised to meet specific customer requirements with fittings, fixtures, furniture and appliances provided so the module is fit for any purpose.

Manufactured to ISO9001 compliance with auditable document controls and supported by engineering certification, these modules can be configured to stand alone or joined together side by side to cater for larger work spaces. The modular design enables ease of handling and transportation by rail, road or sea, with the additional benefit of being rapidly delivered direct to your nominated site.

With a variety of module options, the portability of Royal Wolf blast resistant buildings offer cost effective solutions with flexible hire or sale options.



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Office/Permits Module

- Desks, chairs, kitchenette and storage systems
- Individual and open plan office layouts to requirements
- Power, data and communications (Cat 6)
- Split system air conditioning unit (HVAC) with forced air ventilation facilities.
- Blast resistant windows — subject to blast rating

Conference Module

- Meeting tables and seating configurations to requirements
- Power, data and communications (Cat 6)
- Fridge, microwave and hot water unit (as required)
- Split system air conditioning unit (HVAC)
- Blast resistant windows — subject to blast rating

Lunch Module

- Tables and seating configurations to requirements
- Power, data and communications (Cat 6)
- Kitchenette — fridge, microwave, hot water unit and cupboards
- Split system air conditioning unit (HVAC)
- Blast resistant windows — subject to blast rating

Ablutions Module

- Toilets (pans) urinals and showers
- Wash basins, mirrors and accessories
- Male and female modules individual or mixed
- Extraction fans and all plumbing connection points
- Ability to be nested for larger workforces

Change Module

- Various locker sizes with individual keys
- Coat hooks, bench seating and extraction fans
- Optional showers, toilets and hand basins
- Male and female modules with natural lighting
- Split system air conditioning unit (HVAC)
- Blast resistant windows — subject to blast rating

20ft and 40ft modular blast resistant building

- Customised modifications and fit outs to suit your needs
- Rapid installation and flexible delivery options
- Transportable nationally and world wide
- **20ft** — External specifications (L) 6.0m x (W) 3.00m x (H)2.65m
Internal specifications (L) 5.50m x (W) 2.77m x (H)2.65m
- **40ft** — External specifications (L) 12.10m x (W) 3.00m x (H)2.90m
Internal specifications (L) 11.50m x (W) 2.77m x (H)2.65m

