

Architectural Cladding



GRP Cladding and fascia boards to improve the aesthetics of any building. Inherent low maintenance, therefore, requiring no annual painting. Available in any colour from the BS4800 colour range.

GRP and Steel Doors

A wide range of doors and frames available; in a variety of finishes and colours to suit individual applications. Grp doors provide a low maintenance and secure solution. Door furniture can be stainless steel or anodized alloy, locking systems are available as 1, 2 or 3 point locking and can incorporate padlocks, cylinder, lever handles and panic bars.

Ventilation louvre's can be included. Steel doors up to LPCB level 4 approved constructions are available. Doors can be manufactured from galvanised sheet, stainless or aluminium and can be insulated if required. Locking systems and ventilation can be provided as mentioned for GRP doors.



GRP Wood Effect



Steel Doors



GRP Semi Gloss Doors



TECHNICAL SPECIFICATION

MULTIFORM CONSTRUCTION

Moulded Glass Reinforced Polyester composite using self-extinguishing, fire retardant resin, tested to BS476: Part 7, Class 2. Designed to comply with CP3: Chapter 5/BS6399 Part 1, 2 & 3, 1984 wind, snow and seismic loadings, with life expectancy of 30 years. Standard fixing is through heavily reinforced internal flanges by sleeve anchor bolts onto prepared bases by others, external flanges are available.

MULTIFORM DOORS

(Clear opening, no centre pillar). Standard Sizes
Single doors: 750 and 1000mm wide by 2000mm high. Wall dimension must exceed door width by 125mm.
Double doors: 1750 and 2000mm wide by 2000mm high. Wall dimension must exceed door width by 250mm.
Internal height of housing is required to be 150mm more than the door height. Special door sizes may be quoted on request. Doors can be fitted in any wall, centrally or in any position not less than 125mm from a corner.

Standard doors are reinforced to provide a high level of security, and are dust and weather-proofed to IP54 in accordance with BS5490: 1977, IEC.529:1979 and half-hour fire resistance to BS476/1987, Part 22.

High performance doors to protection classifications IP55 or IP65, fire resistance of one and two hours designed to comply with BS476/1972 Part 22. LPCB special security doors are available on request.

ELECTRICS

As NICEIC approved electrical contractors all the electrical installations are carried out in accordance with current IEE regulations BS7671:2008. Zone 0, 1 or 2 as required. Customers' equipment can be installed at Morgan Marine if required.

ENVIRONMENTAL CONTROL

Static ventilators ranging in free airspace from 0.013m² to 1.35m² are available in the following variety of styles:

Stainless steel louvered, GRP cowls, PVC coated or mild steel, roof mounted, mushroom, under-eave, GRP block and GRP blade louvered. Forced ventilation via fans, heating, air-conditioning and de-humidification to customer specification.

INSULATION

Standard composite core construction U-Value 2.2W/m²/deg C. Higher levels of insulation are offered to meet customers' individual requirements and current building regulations: Walls 0.35W/m²/deg C and roofs 0.25W/m²/deg C.

SOUND ATTENUATION

Standard composite core construction with 0.5% floor plan area ventilation offers 24dBA nominal acoustic performance over centre band frequency range, 31.5Hz to 16kHz.

Other standard levels of attenuation offered are: 30, 40 and 50dBA nominal acoustic performance. In addition, we can manufacture to British Gas Engineering Standard for Acoustic Enclosures, T/SP/E/25 Part 2.

FIRE RESISTANCE

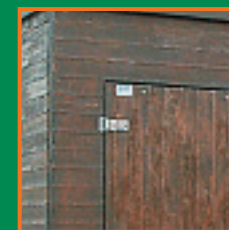
Standard fire resistant composite construction has been tested to BS476 Part 21, and exceeds a half-hour fire rating. Fire resistance of one and two hours designed to comply with BS476/1987 Part 21 can be offered.

EXPLOSION RELIEF

Explosion relieving roofs and panels are used to safely discharge the effect of the ignition of an inflammable mixture from within an enclosure, notably for British Gas or Regional Electric Companies. These conform to the relevant specifications and tests have been successfully completed for both types of explosions.

Whilst every care is taken in the preparation of this publication, it is not considered as binding in detail unless confirmed by us. Due to our process of continual improvement we reserve the right to make any alternation without notice.

Special Finishes



Timber Effect Enclosures and Doors

Moulded Brick



Applied Brick



Natural Pebble Dash



Moulded Stone



Raised Stone



Flat Stone



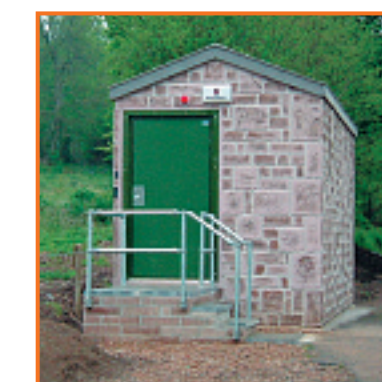
Stone or Brick Quoins



Morgan Heritage



Aesthetic Composite Enclosures



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Morgan Heritage Range

Morgan Marine has developed the heritage products into the company's range to cover the many aspects of environmental planning enabling us to supply our clients with GRP solutions.



The range is varied, from doors, roofs, domes, cladding, brick, stone and textured enclosures.

Our extensive, flexible and modern manufacturing facilities enables us to utilise a wide range of materials. The most effective combination of these materials is used in each product.

The advantages are a range of products that blend with the environment, involve no "wet trades" on site, thus aiding your planning and scheduling. Our enclosures are quick and easy to install, and require minimal maintenance.



Morgan Heritage Projects

Morgan Marine Limited have the ability to manufacture large modular (Panel) GRP enclosures with external finishes in Semi Gloss Brick, Stone, Rendered.



This enclosure demonstrates our capabilities. We can achieve a single span of 14 metres and an internal height of 6 metres. Morgan Marine's enclosures can be supplied to a 1/2 and one hour fire rating construction. Higher ratings can be designed on request.

The enclosure was manufactured and supplied to a Regional Water company in a Brick Finish with external dimensions of 12m wide x 14m long x 6m clear internal height, Installation took 5 days.



Morgan Reliability

A standard enclosure was supplied to an unmanned site for one of the leading water companies. It was designed to protect and secure their sampling equipment. During the night, vandals entered the site and set light to an adjacent vehicle. The fire continued throughout the night, finally burning itself out, the damage not being discovered until the following morning.

The enclosure was subjected to intense heat. However, the integrity of the construction remained intact, thus enabling the whole water treatment process to continue, and saving our client's reputation, as well as a great deal of expense.

The client, a regional electric company, was experiencing difficulties (due to vandalism) in providing a roof to an existing brick building. They opted for a GRP solution due to the properties of the construction, and the fact that the roof could be fitted in less than one day. The roof was also supplied with explosion relief brackets for added protection in the event of an explosion.

VANDALISM

