

GLASS FIBER REINFORCED PLASTIC GRP



USES OF GRC

Amiantit Oman is one of the pioneer GRC manufacturing companies in Oman manufacturing high quality GRC products using the best quality raw materials and manufacturing process.

Glass fibre Reinforced Concrete (GRC) is used worldwide to manufacture a vast range of precast products for the building and civil engineering industries.

GRC presents architects and engineers with a material from which the most ambitious designs can be created. It can be moulded to form modern futuristic designs or to replicate traditional historic features. GRC can be painted, faced with fine aggregates, coloured or simply left with a natural white or grey, smooth or textured finish. GRC has ability to be moulded into thin, lightweight panels with a wide variety of shapes, forms and surface finishes.

GRC is used to produce beautiful architectural mouldings and features. GRC products are easy to handle and erect, and permit the architect or engineer an unrivalled freedom for creative design.

Seating, planters, receptacles, kiosks, bollards, signs, statues, and fountains, to name but a few, all benefit from being made in GRC with its ability to tailor shape, form and surface finish and to be aesthetically compatible with their chosen environment.

Builders worldwide are appreciating the increase in speed of construction that prefabricated GRC provides. Furthermore, engineers are discovering that small additions of alkali resistant glass fibres can benefit the quality of traditional concrete elements, whether precast or cast-in-situ. GRC is lightweight but tough, easy to fix and unaffected by environmental conditions. Unlike traditional roofing materials, it is neither heavy nor brittle.

GRC can be moulded into complex shapes for roofing accessories such as finials, ridges and chimneys. It is non-combustible with high impact strength and can be used on all types of roof. GRC is an ideal material for use in renovation. GRC improves the aesthetics, thermal and acoustic properties of the building. In balcony slab construction, GRC can provide a pre-finished moulded edge while simplifying construction. On ground floor concrete slabs, insulated GRC base course and sill units can be incorporated, which contribute to the overall wall insulation performance. GRC's high density, smooth surface finish and ability to be easily moulded have been used to advantage in concert halls and other auditorium.



GLASS FIBER REINFORCED CEMENT GRC





امياتيت عمان Amiantit Oman

ISO 14001 : 2004

ISO 9001 : 2000

OHSAS 18001 : 2007

Leadership in Pipes, Infrastructure and Molded Products

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