

Buildcraft

G.R.P. Fibreglass Systems

DURABLE ROOF SYSTEMS & WET ROOM SOLUTIONS

Fire Retardant to BS476 part 3 F A.B.

*Roofing Remedies
For Domestic, Commercial & Industrial Buildings*



What is G.R.P.?

G.R.P. Glass Reinforced Plastic (*Fibreglass*) a composition of resin and chopped strand matting.

G.R.P. has been around for many years, used in the construction of boats, garden ponds and adventure water slides.

Over the past thirty years, G.R.P. has been used in the building industry as an alternative to lead and bitumen felt for flat/pitched roofs, valleys and gutters.

BEFORE



AFTER



Above a typical tin/zinc lined valley, used over many years in agriculture, commercial and industrial buildings. Over the years the metal surface has badly rusted and delaminated, causing weakness to its structure and then allowing water to penetrate the structure within causing untold damage to the contents within the building.

Luckily this was noticed in time. The existing surface was cleaned to remove any loose materials, cracks and holes were taped and patched, before a 3 layer (1800 grams) lay up of G.R.P. lined over the existing surface, achieving new strength and making the valley watertight once again.

G.R.P. is available in a wide choice of colours and various finishes, including non-slip covering, which makes it ideal for waterproofing balconies and roof terraces.



The advantage of G.R.P. over traditional materials is that you have a product, which is flexible in application, being able to cover awkward returns and steps. It leaves a seamless, watertight joint, offering you a maintenance free finish, with peace of mind against leaks for years to come.

Fire Retardant Systems to BS476 part 3 F A.B. are also available, approved by Building Control, used where adjacent buildings are within 9 metres of the structure.

Complete GRP Fibreglass Roof System



New Parapet Canopy



Once again the parapet is traditionally constructed with the important 1:80 fall towards the outlet gully.

Having copings on top of the wall, the G.R.P. is best to return over the inside block to achieve a good watertight seal beneath the copingstones.



Renovation of existing dormer window



Above, The original felt covering has deteriorated and leaking badly.



The dormer is completed stripped down the original decking and new 18 mm W.B.P. is fitted as standard prior to G.R.P. being applied.

As you can see, G.R.P. copes very well when it comes against vertical abutments, once again achieving a complete watertight seal.

GRP Wet Room Systems

Leaking wet rooms are now longer a problem with G.R.P.

Unfortunately bathroom, toilets and wet rooms are often prone to leaking . The water leaks are concealed within the building fabric of the floors and walls which offer go un-noticed, causing wet rot and untold damage, leading to possible structural defect to supporting floor joists if not rectified.

We now offer a GRP Wet Room System, which is ideally suited to waterproof sub floors prior to tiling.



Above: GRP Wet Room System installed.



Above: then tiled.... suitable for bathrooms, toilet floors and wet room insulations.

G.R.P. the ideal solution to creating a watertight Back Gutter



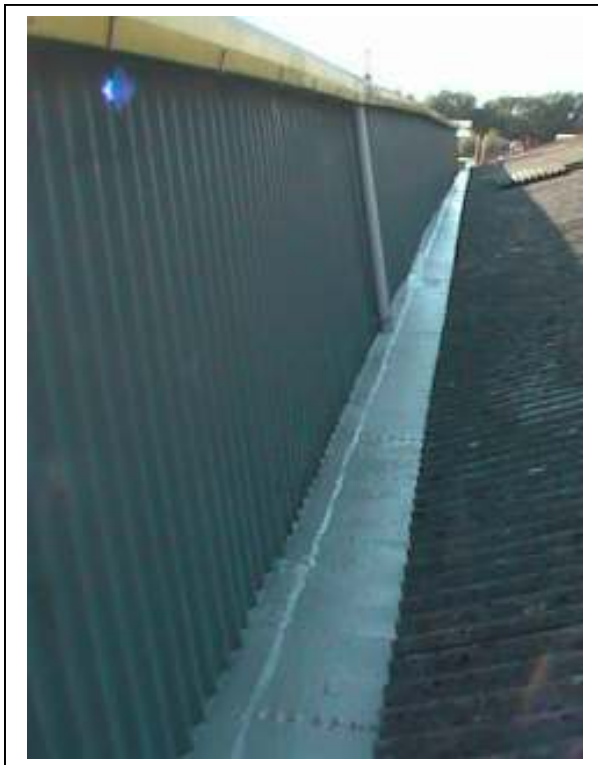
Above: an awkward back gutter abutment

One of G.R.P.'s greatest properties are that once again, it can easily cope with awkward steps returns, created a seamless watertight seal.

The back gutter is constructed as usual using 18 mm W.B.P., but unlike lead, G.R.P. does not require steps to be formed, saves time.... saving money!!



Relining of a valley to a commercial building



Existing tin/zinc valley lined with 1800 gram lay up of G.R.P. to busy industrial/commercial premises in Glastonbury.

Specification data:

Available on request

External Fire Exposure Roof Test

Tested by Bodycote Warrington Fire on 7th May 2008 Test Report No. 171512

Fire Retardant G.R.P. to BS476 Part 3 F A.B.

Standard Pigment Colour L157 Grey ~ optional colours available, subject to availability, (RAL number required).

For a free survey and quotation, phone 01305 777 200
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*Images & photographs are for illustration only.
Health & Safety information is available on request.*

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