

REINFORCEMENTS



Glass Reinforced Concrete. The Strength of Concrete. The Convenience of Plastic.

Issue 1, 2011

Sydney - Melbourne - Brisbane - Perth

www.mascotengineering.com.au

Welcome

Where did 2010 go? Our 90th anniversary year just flew by... the new production plant in Smithfield is pumping plenty of GRC out every day and the product range keeps growing.

2011 has kicked off with a bang, and I'm excited to announce the opening of our Brisbane warehouse.

This has been in the pipeline for a while now, and by the time you read this it will be in full operation.

Our own facility in Brisbane maybe new, however we are by no means new to Brisbane... we've been supplying customers all over Queensland for years through distributors – and as you'll see in this issue, we've had our Grease Arrestors approved by Brisbane Water for over 10 years.

This issue really focuses on GRC, the benefits in both the material and the products we manufacture with it.

I hope you find this useful information, and please feel free to let me know other things you'd like to hear about from Mascot in coming issues.

Nick Taylor

WORKING SMARTER Use Mascot Pits & Save

Mascot's unique precast Glass Reinforced Concrete (GRC) Drainage and Cable Pits can be used anywhere traditional (heavy) concrete pits are used - they're just lighter and easier to install and much cheaper to freight.

Check out these photos... the first truck has over THIRTY 1,200sqmm pits as well as risers and Heavy Duty Gastight Covers in concrete surrounds.



If you were to freight the same quantity from one of our competitors you'd only be able to fit 10 pits (no chance of getting the covers on too).

In other words, to replicate this load with old fashioned pre cast concrete pits you'd need four semi-trailers.

The second truck has ninety eight 450mmsq x 800mm deep pits heading out of our Perth warehouse to a site in WA – so not only are they suitable for highway loadings – but they've survived the gruelling trip from our manufacturing plant in Sydney.

Mascot Glass Reinforced Concrete pits are strong, durable and won't be broken when they turn up on site like other 'lightweight' materials.

To replicate this load of 98 pits with old fashioned concrete pits, you'd need another 6 or 7 trucks!

So not only are they strong and cheaper to freight – think about the savings on site – Mascot Pits weigh approximately 1/10th the weight of traditional concrete so most can be handled without a crane.



INSIDE >>>

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- Finally we have stock in Brisbane

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What is Glass Reinforced Concrete?

Mascot Engineering started working with GRC in the early 1980's, one of the first in Australia.

Originally using the more traditional 'spray-up' method, we began developing wet-cast GRC - today we are the largest manufacturer of Glass Reinforced Concrete products in the Southern Hemisphere.

GRC is a composite of concrete and fibreglass technologies.

It has the benefits of both products: the solidity of concrete and the high instantaneous strength of resin fibreglass.

As the fibreglass is through the entire product (not just reinforcing in some

parts), we're able to achieve the strength of traditional steel reinforced concrete with a thinner section.

This means we can significantly reduce the weight of finished products – in some cases up to 1/10th the weight of a comparative product.

Most components are designed to be lifted by one or two people so you don't need to tie up your backhoe, excavator or crane (and operator) for hours just to move product around on site and install.

GRC's absence of steel reinforcement makes it ideal for usage under normally corrosive conditions and is resistant to chemical attack.



Mascot GRC Facts:

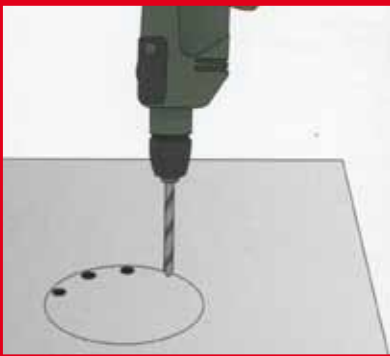
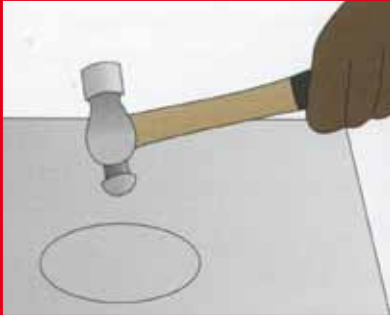
- 1/10th the weight of traditional concrete
- Can be used where ever concrete is required
- No shattering like polymer concrete
- Easy to handle
- No need to concrete encase or collar
- Engineered for all load ratings – highway etc.
- Cheaper to freight
- Approved for depths of up to 5m
- Easy pipe entries – no need to core drill



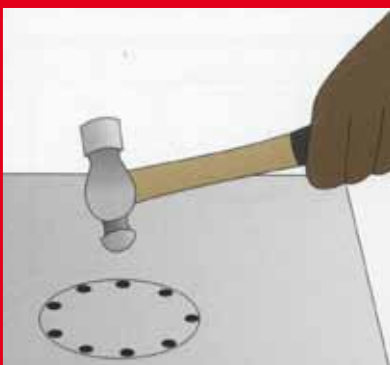
Conduit entries have never been so easy

GR Concrete pits don't have a knockout, leaving you to choose where the entries are to go as well as the size and number of entries on each side.

There's no need to 'stitch' drill. Simply mark out where the entry is to be made and starting in the centre, softly tap the pit with a ball pein hammer.

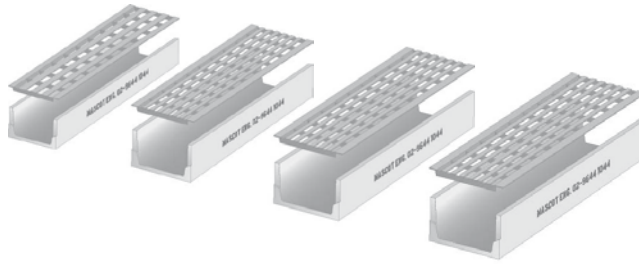


Alternatively, for larger entries (150mm), once you've marked out the hole required, use a masonry drill to drill at 50mm centres. Holes can also be formed using a grinder with masonry disc.



DriveDrain Channel

Commercial - Industrial - Residential



The GRC DriveDrain is lightweight for easy installation, though suitable for heavy traffic loads.

The metre length channel simply interlocks together and is available with Galvanised Mild Steel Grates as standard, through we can manufacture Cast Iron and Stainless Steel to suit your needs.

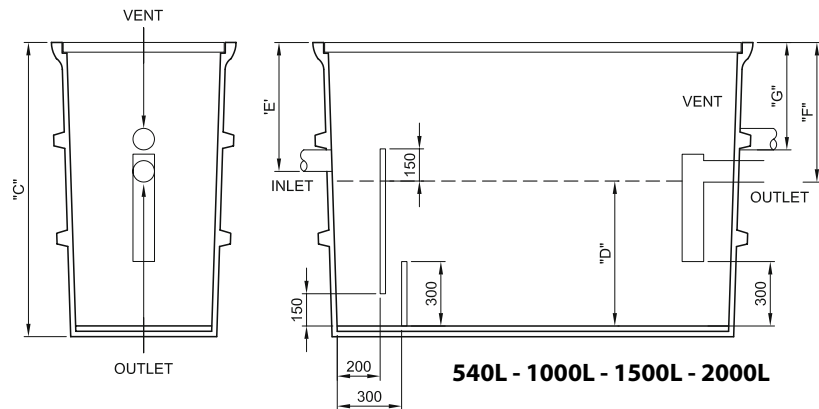


Queensland Grease Trap

Mascot Grease Arrestors are made from Glass Reinforced Concrete, approximately 1/10th the weight of traditional concrete. The main benefits for you is a significant reduction in installation

Costs along with big savings in freight

costs. These benefits alone make our grease products the most cost effective on the market. With gastight covers to suit all load Ratings, we've covered all the bases. For more information on this and other Trade Waste products, visit our website.



Adjustable Risers?

no worries!

We understand that things don't always go to plan. Have you ever needed an odd size riser - something like 138mm, or 424mm? With our exclusive Glass Reinforced Concrete Risers, anything is possible.



The Mascot Story...

Established in 1920, Mascot Engineering Group is one of Australia's most recognised names in Cast Iron Access Covers and Grates & Frames and the largest manufacturer of Glass Reinforced Concrete (GRC) in the Southern Hemisphere.

A family owned company, Mascot Engineering began as an Iron Foundry, over the years evolving, growing and diversifying its range of products.

Now, Mascot is an energetic, innovative company and through their sales and technical teams can produce the right design for plumbers, electricians, builders, consultants and architects.

With over 90 years experience in supplying the building industry both locally and overseas, and with offices and distributors throughout Australia, Mascot Engineering is proud of its solid reputation.



We guarantee our clients competitively priced, quality products as well as expert, up-to-date, professional and technical advice combined with efficient, friendly service.

Products you can trust, from the company with over 90 years experience.

Finally we have stock in Brisbane... and plenty of it!!

We've been supplying the Queensland market through distributors and from Sydney for years – actually, we've had our Grease Arrestors approved by Brisbane Water since 2001.

Our new facility in Meadowbrook (just off the Logan Motorway and

less than 10 minutes from the M1), is full of stock – ensuring we can get orders on site when you want, rather than when we can.

We are now also able to offer you the level of support and technical backup to match the quality of our products.

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