



## GENERAL MANUFACTURING



LIVINGGREEN DESIGN LTD  
LIVINGGREEN HOUSE,  
24/6 DRYDEN ROAD,  
LOANHEAD,  
EDINBURGH,  
EH20 9HX,  
UNITED KINGDOM.

[www.livingreendesign.com](http://www.livingreendesign.com)  
[enquire@livingreendesign.com](mailto:enquire@livingreendesign.com)

TEL: +44 131 440 9804

# HOW WE MAKE IT

Visitors to our Headquarters and principle workshops in Edinburgh always say the same things "I had no idea there was so much work involved in making our planters!" And it's true, each piece we manufacture will have been work on by at least 6 different pairs of hands, each with a different skill, before the final product is packed and wrapped. Aside from hand tools and compressors, almost no machinery is used in the manufacturing process, they really are crafted by hand - but using technology from the Jet age.

Our planters are made using advanced composite technology, the same technology that helps modern plane manufacturers achieve their dreams of more efficient, stronger aircraft. The same technology used to form the blades on millions of wind turbines and the very same used to form the cockpits and body shells of Formula 1 racing cars and record breaking racing yachts. While these industries use composite sandwiches reinforced with carbon, our planters use glass fibres, more than strong enough for purpose while allowing us to produce hand built products less expensively than metal or wood equivalent's.



# WE TAKE PRIDE IN OUR WORK

Whatever the reinforcement, all composites are lightweight, flexible, incredibly strong, and capable of being moulded into almost any shape. Being waterproof and with possibility of an unlimited range of finish options, they are the ideal material for planter manufacture.

The process starts with a mould, formed from an original 'piece' and used to make exact replicas of the original by process known as lamination. The 'laminator', the skilled craftsman who makes the raw product, starts by painting the inside of the mould with a liquid plastic gel which will form a thin veneer on the outer surface of the final product. Behind this goes a mix of resin and glass which when hard forms a 'composite' so strong it out performs steel in several strength tests.

Released from the mould the raw product is quality controlled and moves through to the pre-finishing department where the mould join lines are removed, the lips cut to size and false bases/castor bases fitted where required.



## EVERY PIECE IS HANDCRAFTED

The next stage is to prepare for finishing. The outer gel veneer is sanded down and repaired where necessary to form a surface suitable for painting or texturing. Then it's through to specialist finishing where the magic happens. Various treatments and paints can be applied depending on final result required – there can easily be 5 different processes at this stage. And then it's into the drying room prior to final QC and dispatch.

With 400 - 500 planters going through the process a week, we have the capacity to tackle jobs large and small and achieve fast turnarounds for customers when required. Even large bespoke projects can usually be completed within 6 - 8 weeks. We are never going to be as fast pumped out machine made identikit planters, but where quality, individually and bespoke are important, then Livingreen Design is the answer, as designers, architects and contractors across Europe can testify.

