CONCRETE FORMWORK SOLUTIONS
BUILT FAST AND EASY
ABOUT THE COMPANY

We are an Australian family owned building company established in 2004 specialising in fabrication, supply and installation of “Concrete form work Modules” to both building professionals as well as to do it yourself building enthusiasts. Our company prides itself on providing good quality innovative building products to our clients.

We achieve our objectives by fostering a culture that is centred on innovation and the continuous improvement that is essential in today’s highly competitive construction industry.

ABOUT THE SYSTEM

Innovative “Modular self-supporting permanent formwork System” is specifically designed for much simplified faster and cheaper construction execution methods when compared to traditional concrete formwork methods. Modules are fabricated from lightweight materials, easy to handle and simple to install allowing lower skilled labour to expertly install modulated form-work without jeopardising overall system strength and structural integrity.

ABOUT THE PRODUCT

Formwork modules are constructed from two single sided panels 1200 x 600 x 4mm thick made of high impact polystyrene resin. By simply assembling panels back to back and inserting connector tubes between them to create a continuous cavity, one homogeneous single unit module is created ready for concrete pour. When the cavity is filled with concrete the outer “resin skin” forms the permanent skin of the module structure wall, which is automatically water and termite proof and it can be simply painted, rendered or tiled to suit any architectural façade look.
STANDARD MODULES

Modules are made to a standard panel size of 1200 x 600mm with the choice of either 120 or 160mm thicknesses either in straight lengths or mitred to suit various irregular shapes. By fabricating and inserting spacing mesh between them, modules can be converted and adapted to suit any thickness or structural design requirements.

MADE TO ANY SHAPE AND SIZE

Modules are very versatile and easily pre-set to suit any shape and size. To extend and create larger formwork structures, modules are simply joined and snapped together to a desired shape and size.
CONCRETE FILLING

After walls are locked together and plumbed, concrete is poured into the cavities. It is recommended that concrete “Block Fill type” be used for 120 and 160mm thick modules. For walls requiring the larger thickness than 160mm, normal concrete slump materials and vibration practice can be applied.

During pouring of concrete, module faces should be tapped and vibrated throughout the process to eliminate potential formation of hollow pockets within the cavity.

Depending on the structure height and thickness, it is recommended for large thickness modules to pour the concrete in 2m layers to allow the previous layer to solidify and harden slightly before pouring the second layer. In some cases to speed up and streamline the concrete pouring process concrete accelerator may be used. For standard walls with 120 and 160mm thickness 3m high layers can be applied.

MANUFACTURING AND DELIVERY

Single standard modules are available “Off the Shelf”. Depending on the size, shape and complexity of the structure in some cases formwork modules can be factory tailor made, assembled, flat packed and despatched within 48 hours.

Depending on transportation limits, in some cases full size structures can be factory premade and assembled with steel reinforcement ready for site delivery on very short notice.

PRODUCT ADVANTAGES

- Quick to construct
- Versatile and easily converted to suit any building size and shape
- Easy to handle and install, eliminating potential OH&S hazards
- Able to use un-skilled labour
- No site power required with custom made formwork modules
- Modules delivered on very short notice