



**MegaForm**<sup>®</sup>  
Building Systems





## Welcome

Megaform is one of the most advanced and cost effective building systems available in Australasia today. The large blocks lock together making them fast and easy to install. Both vertical and horizontal reinforcing steel is ran through the centre of the blocks. Once wall height is reached concrete is poured forming a solid reinforced concrete wall with high insulation values. This solid wall construction delivers advanced attributes such as strength, Insulation values and acoustic properties. Exceeding all conventional construction methods in todays market. Megaforms' ICF systems structural strength makes it an ideal building product in cyclonic and seismic regions.

## Applications

- Residential Housing
- Hotels/Motels
- Inter tenancy walls
- Multi-story Apartments
- Schools
- Hospitals
- Retirements homes
- Retaining walls
- Swimming Pools Walls
- Foundation Footings

The ICF systems' interior/exterior can be finished with a variety of cladding options. Acrylic render systems are most common as they create a durable and stylish finish. The specially designed fire retardant plastic webs strips moulded into the sides allows screw fixed cladding options to be attached to the wall. Contrary to what many think, Expanded Polystyrene (EPS) has a low impact on the environment. In terms of Green house gases EPS plays a positive role in reducing carbon dioxide emissions. EPS is safe as it does not release toxic or harmful substances and contains no organic material to inhibits the growth of microorganisms and molds.

## Benefits For Homeowners

- Energy efficient.
- A fast and cost effective build time, in all weather conditions
- A highly insulated home 'warm in winter' and 'cool in summer'
- Solid reinforced concrete wall
- No heavy lifting .
- No leaky home problems with this construction method.
- High quality crack resistant wall finishing.
- Healthy living environment.

## Interior Application

Using Plasterboard inside provides a perfect finish. The plaster can be directly applied to the block for a render surface finish.

The outside of the blocks have a 1.5 mm ribbing on the external face enhances the surface area by 25 % providing an excellent key for rendering.

## Technical Details

- 65 mm fire retardant polystyrene sides.
- Fire Rating up to 4 hours.
- R Value in excess of R4.
- STC rating 55.
- 3 Meter high concrete pours.
- Tongue and groove locking system.
- Dove tail locking system on inside of block for maximum bonding between concrete and polystyrene.

## Technical Specification

All the Megaform blocks are manufactured by injection moulding of building grade EPS. The blocks are moulded to a density of approximately 26-30kg/m<sup>3</sup>. Each block contains about 1kg of polystyrene bead.

The plastic inserts are moulded in during production to maximize the integrity of the bridging component enhancing the overall structural properties of the Block.

### SERIES 230

The MEGAFORM Series 230 block is designed for single storey and internal load bearing walls. It has applications for small retaining walls.

Length	Height	Width	Concrete per block	Concrete wall thickness
1200	400mm	230mm	0.048m <sup>3</sup>	100mm

### SERIES 280

The MEGAFORM series 280 block is designed for up to three storey external walls and internal load bearing walls. Also used for retaining walls to 3m.

Length	Height	Width	Concrete per block	Concrete wall thickness
1200	400mm	280mm	0.072m <sup>3</sup>	150mm

### SERIES 330

The MEGAFORM series 330 block is designed for multistorey external load bearing walls and large retaining walls.

Length	Height	Width	Concrete per block	Concrete wall thickness
1200	400mm	330mm	0.096m <sup>3</sup>	200mm





