

2. EASY TO DESIGN & BUILD



Design Simplicity

Ambionse blocks lend themselves to design flexibility. Any dimension can be catered for as the blocks can easily be cut with a knife or saw. So unlike masonry, there are no strict modules to design within. The bridges connecting the side panels are spaced horizontally at 150mm centres ensuring that there will always be a support, no matter what length. This gives you much greater freedom and flexibility.

Unlimited Creative Potential

Ambionse can easily create curved walls, and arches are simple to form, so let your imagination run wild and design what you have always been wanting to, but didn't have the construction material that was able to keep up with your dreams. In fact Ambionse makes it easier than precast panels to form curves and easier than masonry or timber to form arches

The structural aspects of the concrete core make Ambionse the ideal choice for resisting earthquake and wind forces. The solid reinforced concrete core of an Ambionse wall is stronger than timber, so you can design more load acting on the wall (larger roof spans, longer lintels etc).

Cladding Options

An Ambionse wall can be finished with an almost unlimited choice of claddings. Not only can you apply plaster, but conventional timber frame claddings such as weatherboards and brick veneer can easily be fixed directly to the blocks. The inherent thickness of an Ambionse wall allows deep reveals to suit the design characteristics or style. It has been said that timber framed buildings with monolithic claddings are attempts at creating the look of solid construction, but with Ambionse the walls truly are solid. Local Councils accept Ambionse walls the same way they have masonry for many years.

Basements

Ambionse is ideally suited for creating basement walls as the reinforced concrete provides all the strength and the Ambionse formwork provides all the insulation. Forget the cold dingy basements of the past, with Ambionse you can build underground and increase the comfortable liveable space in the home without increasing the plan footprint or encroaching on the height to boundary limits (great for that dedicated home theatre).

Labour Savings

In actual fact, Ambionse construction has big advantages for builders. Because of the simplicity of the work and the lightness of the blocks, the labour costs tend to be lower than those of conventional timber frame construction. (Note: these savings are usually only appreciated after the first couple of projects, when the builder has familiarised himself with the concepts).

Weather tends to be a big issue with other concrete construction. Not so with Ambionse. The blocks are not glued or mortared, allowing all weather construction. Because the Ambionse wall offers a barrier to water ingress, the cladding or finishing does not need to be installed prior to the interior work starting. This can also save time on the project.

Plumbing and electrical services can be placed in chase cuts within the sides of the Ambionse block after the concrete has been poured. This is a saving over masonry construction where ducts typically have to be installed prior to the blocks being filled requiring more visits by the subtrades.

