

Build Better.

**BENEX**

# Residential Applications



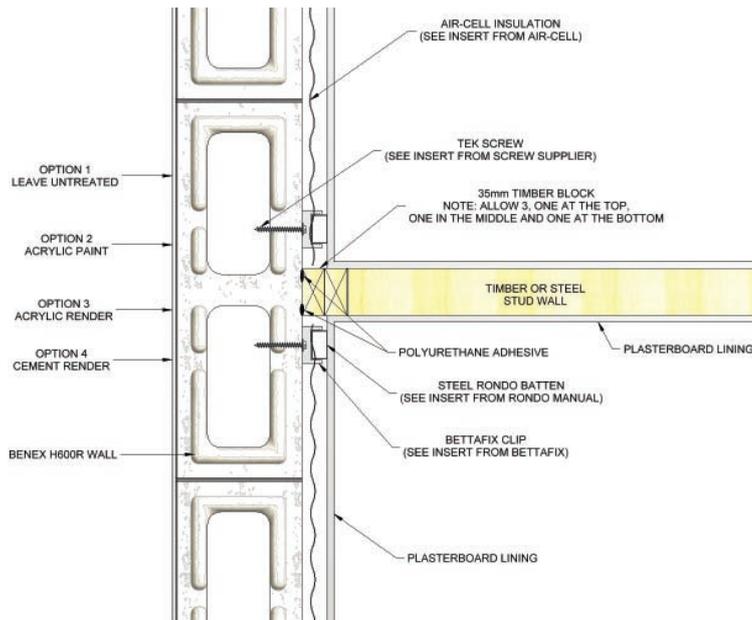
Benex is the ideal choice for home owners looking to receive thermal efficiency, acoustic performance, fire rating protection, environmental benefits and no fuss construction with a modern new look.

Benex offers outstanding benefits, from an environmental perspective, by offering thermal qualities and providing energy efficiencies with the home being cooler in summer and warmer in winter. Polystyrene, as used in the block, is an effective substrate in thermal control.

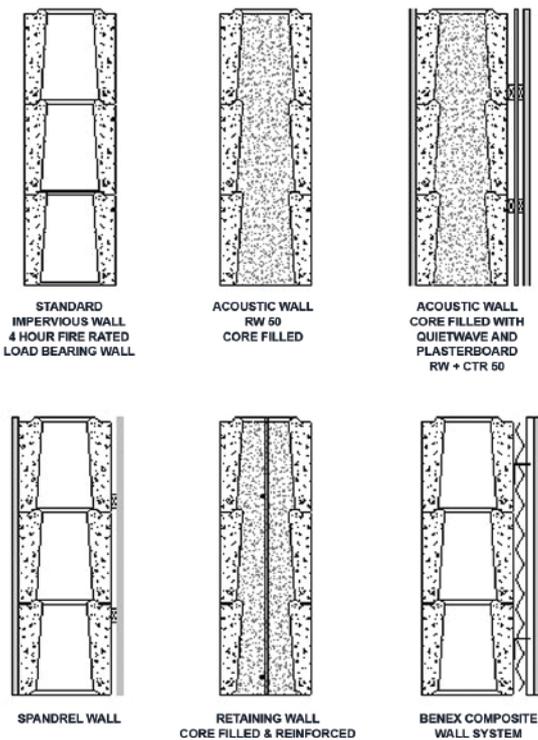
Benex provides a lightweight alternative to traditional masonry products. The blocks are up to 60% lighter per metre of wall than most other masonry products. This means much less fuel is used to get Benex products to the building site. A single delivery of Benex blocks to a building site can contain over 300m<sup>2</sup> including the Benex mix adhesive, so the usual multiple deliveries of brick or concrete blocks plus additional deliveries of sand and cement are not required.

- ✓ Thermal excellence
- ✓ Acoustic qualities
- ✓ Impervious to water
- ✓ Fire rating (4 hours)
- ✓ Labour – save money, time and effort
- ✓ Aesthetic finish unpainted
- ✓ No rising damp, mould or mildew
- ✓ Environmental benefits

## Benex Composite Wall system



## Benex Standard Wall Types



The Benex wall system has introduced a cost effective and environmentally sustainable solution to residential construction.

## Speed of Construction

A Benex designed house can be constructed in half the time traditional construction methods take. This increase in construction efficiency is attributed to the ease of building with the block. Whilst the lightweight Benex is less labour intensive than traditional concrete blocks and brick veneer systems, it is more than 50% larger than a traditional concrete block. The benefits of a larger block ensure fewer blocks are handled and installed which in turn reduces the amount of joints in the walls. Another benefit of Benex is the unique self-aligning male and female lugs, enabling accurate tolerances.

## Services

The Benex wall system is ideal for installing services such as electrical, gas and plumbing. The Benex wall system allows for two methods of installation or relocation of services.

On a Benex composite wall, services can be run inside the cavity between the Benex wall and the plasterboard, then a hole is required in the plasterboard to install the applicable service. For Benex walls not using plasterboard, services can simply be fed down the hollow cavity of Benex and then a hole cut for the service to be installed. Benex will not shatter when penetrating like traditional masonry products.

## Cleaner Site

The Benex wall system is constructed using Benex mix adhesive, except for the base course which uses standard mortar. Overall this means a much cleaner site as there is no need to have large piles of sand and cement or mixers on site. Furthermore, the profile of the block minimises contamination of the adhesive within the cavity reducing wash out time.

## Fixings

The Benex wall system has the ability to use standard wood tek screws, providing a cost effective alternative to some specialised fixings and also increases speed of construction.