Build Better.
BENEX

Commercial Applications

Benex is the most suitable building material for commercial and industrial buildings. The need for additional materials is eliminated as the block is able to fulfill most requirements.

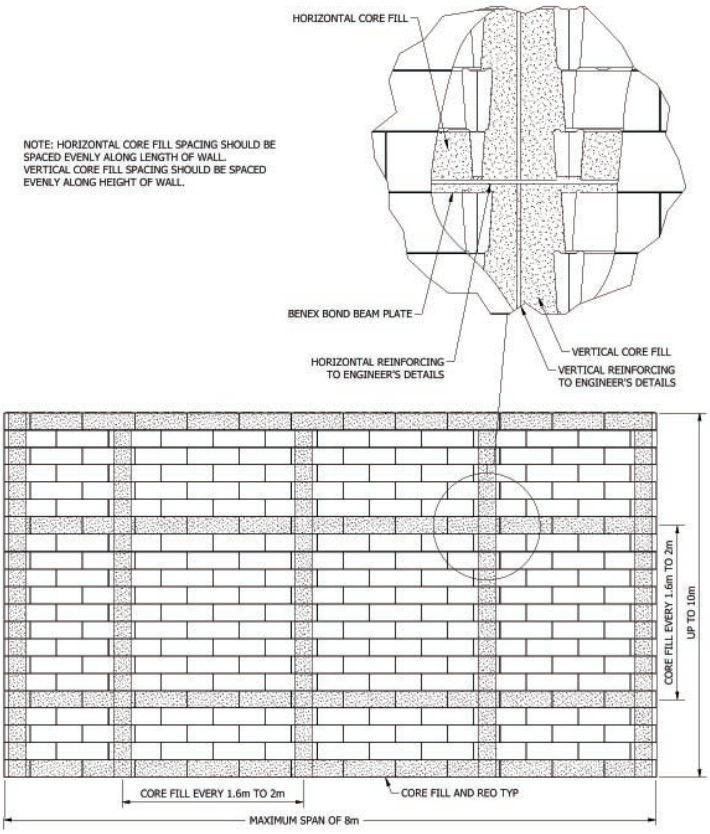
Benex is ideal for the construction of spandrel walls to commercial office buildings. All commercial buildings need fire and smoke separation between floors of 900mm to comply with the current BCA requirements.

Due to the Benex superior acoustic and fire rating properties, the product is ideal for service risers required in all multi-level commercial buildings. Walls can be constructed from outside the shaft at a much quicker rate than standard masonry or stud work. As the blocks are glued together and do not use mortar, there is minimum cleanup on the floor or in the shaft.

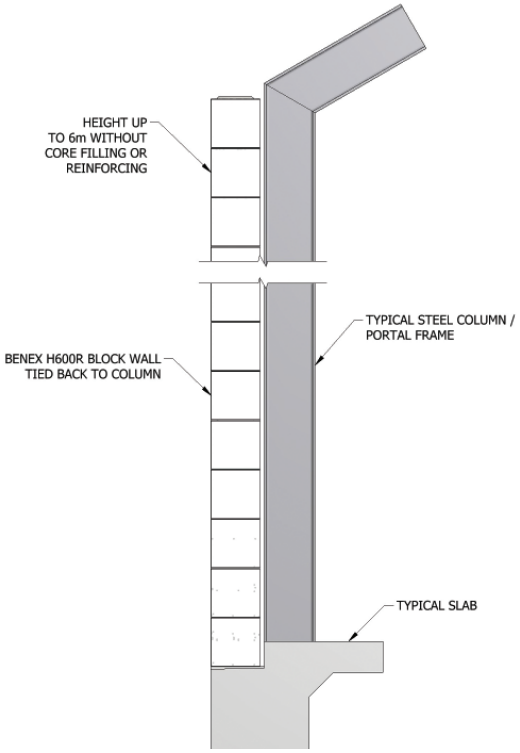
Many commercial office installations require secure facilities built within their tenancies for the security of in-house and client documents and files. Benex can be reinforced both vertically and horizontally and then core filled. The structural integrity of the completed wall will achieve any security endorsed criteria.

- **Walls can be built up to 3m high in a day compared to standard concrete block work which is 1.5m**
- **Build walls to 8m length before expansion joints are required compared to 6m with alternative masonry products**
- **Benex is 13kg and covers 600mm x 200mm compared to a concrete block at 16kg covering 390mm x 190mm**
- **Use with or without core filling and reinforcing**
- **Can be either fully or selectively core filled**
- **Can be rendered, painted or left with a smooth, clean face finish**

Benex Large Wall System



Fire Rated Factory/Warehouse Wall



Benex H600

The choice for commercial wall cladding has traditionally been metal cladding, tilt up, or precast. Recently some new products, such as plastic formed concrete and aerated concrete-filled metal planks have come onto the market. The Benex H600 performs equally to or better than all these alternative systems at lesser cost.

With the current price of steel rapidly escalating, the cost of steel girts and metal cladding will soon significantly exceed $100/m^2. Tilt up and precast concrete range from $125/m^2 to $300/m^2. The new products are not suitable as exterior wall finishes and are also significantly more than the built cost of a Benex H600 wall.

Wall Panels

Because Benex does not use mortar, other than to bed the first course of blocks, it is possible to lay the walls to their height in one day. We have developed a system using an elevated work platform that allows Benex wall panels to be built in bays and easily laid from concrete slabs. The onsite time is significantly less than tilt up and while precast may appear to go up quickly, the offsite time including caulking and rectification works often involved with precast ensure Benex walls will soon be the finish of choice on all industrial building.

Architectural Finishes

Another significant advantage of Benex H600 in commercial applications is the architectural finish achieved with the bevelled edge face. By using off white cement and aris's on the blocks combined within the steel model, Benex has formed a finish that is an aesthetically pleasing feature. To achieve a traditional architectural finish in a precast would be a significant cost.

Durability

Benex masonry is an innovative interlocking lightweight masonry system, constructed using Benex adhesive. Due to its high durability and low permeability to rain penetration, Benex masonry is suitable for both internal use and external use. It may be used in unreinforced applications, for example; internal walls, well-supported external walls, or reinforced walls when constructed as large panels subjected to high wind or earthquake loads.

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For detailed information visit
www.benexblock.com.au
or call 1300 930 133