

SMARTSLAB

SUPPLIER OF SUSPENDED CONCRETE FLOORS

***Welcome to SMARTSLAB
The Preferred Choice in Suspended Concrete Floors
And a SMART investment in your project!***

Smartslab is a lightweight suspended floor system comprising a galvanised steel frame, covered with metal decking and a quality finished solid concrete slab.

Our engineered suspended concrete floor can be incorporated in either *brick veneer* or *full brick* construction and is normally installed in less than a week: yes that includes concrete. In a few days after the concrete pour the upper floor construction of the house can continue, although trade work underneath can resume immediately.

Each floor is individually designed, engineered, installed and certified by Smartslab Pty Ltd.

So, why choose Smartslab?

- Smartslab suspended upper and ground concrete floors are engineered designed and comply with the BCA and other relevant SAA standards.
- Ideal for difficult sites where access is restricted
- They can be fully supplied and installed by Smartslab professional installers or supplied in kit form.
- Kits can be designed and prepared in our factory at Moss Vale and with simple installation methods assembled on site by the builders' carpenters or semi skilled site labour.
- Smartslab will supply 100% reliable site support when required.
- Since propping is not required for our first floor suspended slabs, plumbing and electrical contractors can continue working immediately after the pour. The clear, open spaces on the ground floor, provides unimpeded access, protection and storage for other building materials such as windows, when delivered to site.
- Our skilled team can efficiently deal with change resulting from design alterations, site conditions and last minute customer requirements.
- We have the convenience of access to Smartslab engineers in-turn minimising site delays and assisting in faster project completion

At Smartslab Pty Ltd, we are dedicated to providing our customers with first rate solutions.

Our products and services give cost effective, alternative, quality concrete flooring systems.

BACKGROUND

At Smartslab, we have invested significantly in the last 10 years, developing new products, improving systems, training personnel and delivering a unique product to the construction industry by offering a floor system that delivers benefits in every sense.

Be it to the Builder, Developer or the Owner this investment is one that should not be considered lightly.

Our "suspended concrete system" incorporates a galvanised steel frame for structural support, covered with metal decking and ultimately delivering a concrete slab finish to your upper floor. Ultimately this system can be delivered and installed on any residential project including Timber Frame Brick Veneer Construction. Our methods deliver the advantages of a framed system, including the ease of installing services, fixing ceilings and reduction of structural propping on both Full Brick AND Brick Veneer Construction with many more benefits.

We also supply and install raised factory office and mezzanine floors with timber flooring.

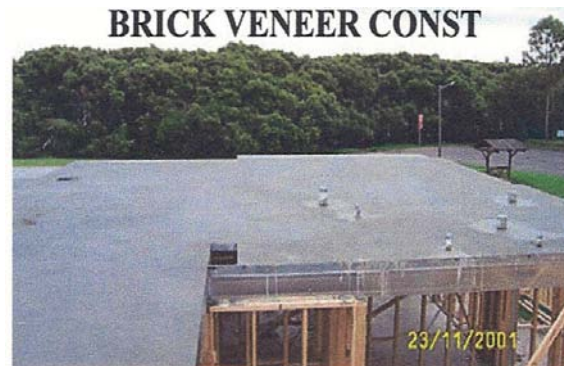
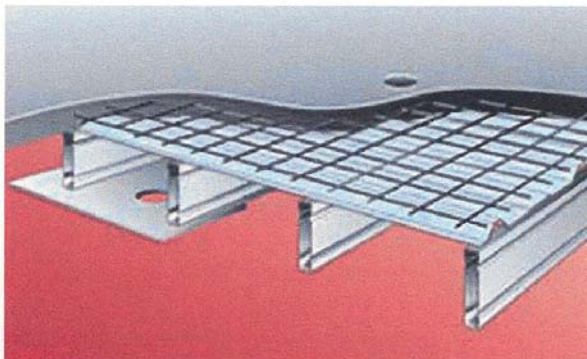
The Smartslab System applied, tried and tested concepts have offered attractive solutions in many projects to date for the residential constructions market.

The thermal and acoustic properties of concrete as well as its durability as a wearing surface are retained to give a marriage of the best properties of framing and concrete. Whilst providing sound reduction and reducing squeaky floors by 100% the concrete slab offers a water resistant upper floor ensuring no call backs for the builder.

Our Engineered Systems can be incorporated in either BRICK VENEER or FULL BRICK construction and allows minimum days in the building schedule allowing continuation of work just days after concrete is poured. With reduction of formwork props and simultaneous insitu stair system installation a clean workable area to the ground floor is provided immediately, whilst also providing safe access to the upper floor areas. Slab edge forms are also fully formed with a prefabricated metal formwork system along with the concrete stairways which can be done at minimum cost and at the same stage of construction ensuring a third dimension to finished concrete edges.

Efficient, quality and thermally advantageous, our system offers the perfect building platform, with the ease of coordinating other trades, and the guarantee of no squeaky floor call backs giving builders the benefits of delighted and satisfied clients who have invested and insured a capital gain in their completed project.

When investing in a Smartslab it is a quality investment in the life of a home



Smartslab offers cost effective floors with inherent architectural utility and design flexibility to any two storey home or townhouse development. Smartslab Pty. Ltd. is committed to providing the complete service for the construction of these raised and suspended floors from initial design to installation. Our flooring systems are supplied with all materials cut-to-length, marked and packed, and is accompanied by layout plans, engineering details and certification reducing time and problems during installation. Our accredited frame assemblers and concreters install the floors with quality design instructions and procedures ensuring minimal installation time whilst delivering a quality product.

Propping is generally not required as the structural frame is designed and engineered to support the concrete mass on timber frame construction. On a full brick home the dead loads from traditional concrete slabs can be reduced by up to 60% when using Smartslab flooring system, reducing footing costs along with saving time from the ground up.

This in mind, every double story house is suited to our system and after the floor is installed and poured, work can progress underneath without obstruction and above within two days of pouring the concrete slab.

The finished concrete slab gives a solid feel, with the convenience of conventional joist construction. Services such as plumbing and air-conditioning ducts can be easily installed within the joist spaces and plasterboard can be fixed directly to the joists to complete the finished look.

Typical floor coverings of carpet to upper floors can be replaced with tiles in trafficable areas without concern for movement which would have otherwise occurred with timber framed floors, reducing tile cracking and tile disengagement problems.

Where structural steel beams and or columns are required for the floor system, they can be concealed within the depth of the floor to maintain a flat ceiling or used to provide features such as bulk heads and the like.

Our Technology

Smartslab is a unique system demanding particular procedures that have been designed to optimise the final result in terms of strength, reliability and finish. Our development team, dedicated trades and support team have been trained to ensure that each project is completed and all client expectations delivered.

Thermal efficiency will significantly improve a projects energy rating. The additional mass of the slab can be incorporated into house design to help maintain consistent temperatures translating to lower fuel bills and assist in the buildings BASIX Requirements.

The favourable inherent acoustic properties translate to less headaches and more peaceful and tranquil ground floor living and entertainment areas.

Smartslab is an economical and efficient suspended concrete flooring system which provides flexible design and non combustible products and is ideal for difficult and sloping sites due to its low weight characteristic, thus it eliminates the need for craneage time, a significant cost incurred in other flooring systems.

Services

The range of professional services we offer include:

- Suspended Ground Floor to domestic dwellings in flood prone areas
- Upper floor suspended slabs to domestic dwellings on full brick or brick veneer
- Balconies, decks, patios and roofs
- Commercial building floors to be fire rated
- Concrete stairways
- Steel posts and beams
- Free quotes and engineering evaluation.
- Complete supply and place service

We offer a free quotation service, all we need is a copy of plans, which if suitable may be faxed, posted or emailed (in PDF or preferably DWG format) to us at your convenience.

When the quote is accepted and a contract is signed for non account customers, we include in our price, supply and placement of all frame material, metal deck, edge angle and concrete slab with a detailed certified layout suitable for Council lodgement and approval. We design, specify and certify structural beams where necessary as well as posts and lintels if required to ensure the strength and durability of the completed slab.

Occasionally on some projects construction parameters require areas (particularly non uniform or curved balconies) to be fully formed conventional concrete construction, we are able to design and install traditional formwork where required.

Having 'in house' engineers, site inspections and certification is all part of our service and comes included in your original investment. We will work in closely with your nominated engineers to gain the best result for the design of the building using our Smartslab system.

Projects

Companies we have worked with include:

Rawson Homes	Lifestyle Designer Homes	Wincrest Homes
Provincial Homes	Mirvac Homes	Daleth Homes
Maddison Homes	Allcastle Homes	Riverford Homes
Merit Homes	Gareth Cole & Assoc.	J.G King
Coastal Villas	AV Jennings	Simhilt Constructions
Rent A Space	Marksman Homes	James Hardie
Dickson Constructions	BLR Construction	

Join in and experience the benefits you and your clients will receive when you invest in the Smartslab System. Do not be left behind so offer your customer the ULTIMATE in flooring system.

For further Information please visit our website at: www.smartslab.com

For your "FREE Project Appraisal and Quote" please email your plans to sales@smartslab.com