

# ECO-SLAB



RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

Distributed by  
L.P. Murphy

THE ECONOMICAL ALTERNATIVE



# WHAT IS ECO-SLAB?

ECO-SLAB is a new building material that is formed by two surface boards with a mixture of polystyrene and cement in the middle. The surface boards are comprised of a special form of white cement and fibreglass, somewhat like cement sheet, but has greater water resistance, thermal values and is fireproof. With the composition of the material it makes the panel shock and impact resistant plus it also prevents the panel from distortion.

## BENEFITS OF ECO-SLAB

- COST EFFECTIVE
- SAVES TIME
- STRONG
- LONG LASTING
- LIGHT WEIGHT
- FIRE PROOF
- WILL NOT ROT OR PERISH
- CAN BE RENDERED OR PAINTED
- MANY VARIATIONS IN SIZE
- CAN BE CUT AND SHAPED

# WHERE CAN ECO-SLAB BE USED?

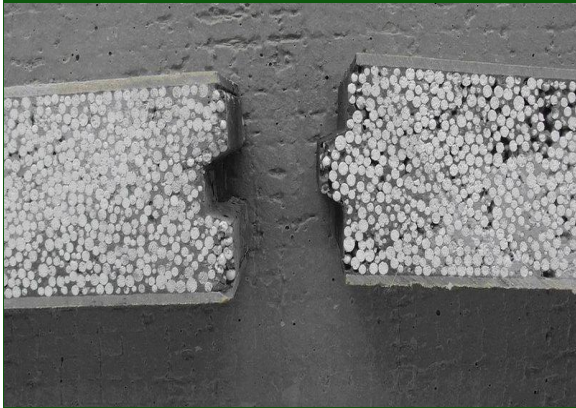
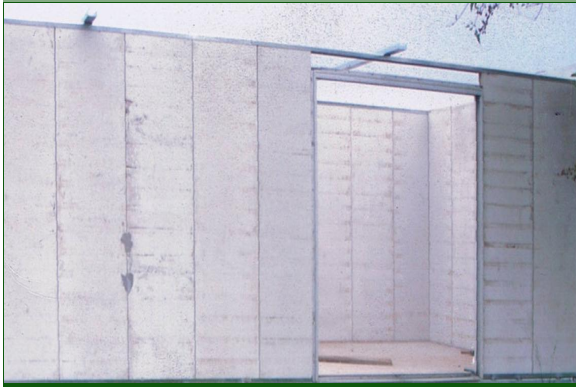
Due to the characteristics of ECO-SLAB, the uses are endless. Whether it be residential, commercial or industrial buildings, external and internal walls in houses, partitions for offices or shops, building administration offices in factory's, noise barriers for roads and highways, walls in horse stables and even relocatable housing or huts. Almost anywhere you can lay bricks, build timber or steel framed walls, ECO-SLAB can be your cheaper and faster alternative without sacrificing stability, quality and strength.

# HOW IS ECO-SLAB INSTALLED?

ECO-SLAB is easy to install and erect, whether you're building a house, adding an extension or even partitioning some offices. The system comprises of the ECO-SLAB panels, cement adhesive, jointing tape, joint paste and filler foam.

ECO-SLAB panel has a tongue and groove system which makes it easy to join panel to panel and adds to ECO-SLAB's already steady, impact resistant properties. Applying the cement adhesive to the groove and base of the panel you simply align the panel and push the two panels together and repeat the process.

Depending on the type of job your building you can install ECO-SLAB into one of our pre-fabricated "C" sections on the base instead of applying the cement adhesive and we also have a capping for external wall applications. The great thing about ECO-SLAB is that it's so light weight and easy to install it only takes two people to install and is completed in almost a quarter of the time it takes to lay bricks or construct a timber frame, clad, insulate and plaster a wall.





# INSTALLING WINDOWS, DOORS, PLUMBING AND ELECTRICAL.

There are two ways you can add windows or doors to an ECO-SLAB structure. The first is to prepare your panels first by simply cutting the panels before you install them with a hand or circular saw. The second is to cut them out once you have installed your panel, with a sabre saw or something similar.

To install your power points or light switches is a three step process that is very simple. Once you have marked out where your outlets or switches are going, you make two saw cuts with a circular saw, making sure you set the depth of your cut to only 20-30mm, and chisel out a channel in the ECO-SLAB. Next you install conduit and an in wall junction box. Then apply ECO-SLAB filling foam and tool of to a flat finish with a spatula or broad knife. This Method can also work for copper pipe or pvc plumbing.



## SOUND TESTING

SIZE	SOUND
75mm	40db
100mm	42db
120mm	48db

## FIRE TESTING

SIZE	TIME
50mm	92 (min)
75mm	188 (min)
100mm	240 (min)



# HOW DO I FINISH OFF ECO-SLAB?

After applying ECO-SLAB joint finish to all the joints with spatula or broad knife, the choice is then yours to either render or paint ECO-SLAB. There are many different types of top coats on the market you can finish ECO-SLAB with, whether it be acrylic, solvent, oil based or even cement render ECO-SLAB can handle it. That's why it's the ECO-NOMICAL ALTERNATIVE.

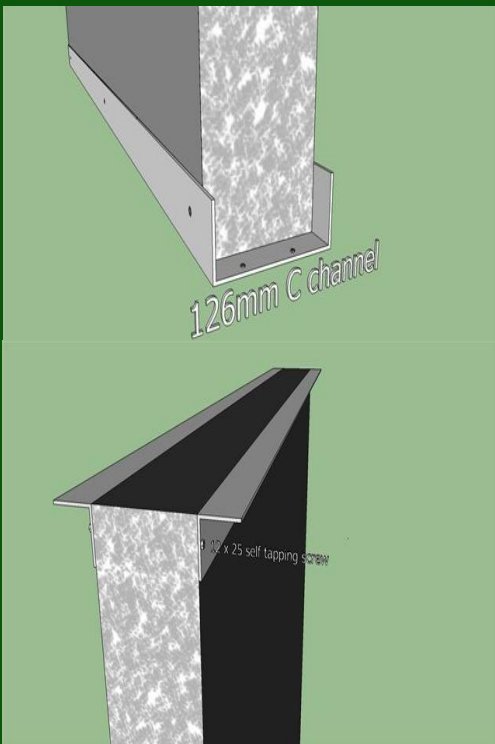
## COMPONENTS AND ACCESSORIES

- CEMENT JOINT ADHESIVE
- FOAM FILLER
- BASE RAIL "C" SECTION
- CAPPING
- INTERNAL WALL FIXING
- JOINT TAPE

# ECO-SLAB vs OTHER BUILDING METHODS.

Panels are easily established and the surface is ready to prime and paint, tile, render or even leave bare, thus installation time is shortened. The possibility of the cutting windows, doors, plumbing and electrical once it is installed also adds to the already rapid construction. With using ECO-SLAB productivity is twelve times higher than the installation brickwork and five times faster than timber frame, insulation then plaster.

On the average, one worker can establish 12 wall panels during the day, which is equivalent to laying 1500 bricks plus 44sqm of plaster.



TYPE	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)
INSIDE	50	610	2400-3000
INSIDE	75	610	2400-3000
INSIDE	100	610	2400-3000
INSIDE	120	410	2400-3000
EXTERNAL	120	410	2400-3000
EXTERNAL	150	410	2400-3000
FIREPROOF	75	610	2400-3000
FIREPROOF	100	610	2400-3000
FIREPROOF	120	610	2400-3000
ACOUSTIC	75	610	2400-3000
ACOUSTIC	100	610	2400-3000
ACOUSTIC	120	610	2400-3000
INSUALATE	50	1220	2400

\*\* This table is a guide only. Special sizes available on request. Other options available: Conduit inserts, Rebated joins and End matched panels

# ECO-SLAB PANEL TYPES AND SIZE.



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