

## ABOUT US

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This company was formed in 1986 and since the beginning we always studied and worked hard to find 100% results and perform our best solutions for insulation, humidity and light weight construction products.

Nowadays we are one of the sufficient companies that specialising in these products, when it comes to energy efficiency and environmentally friendly.

Creative Projects offers varies materials such as anti -humidity boards direct to walls, soundproofing, insulation boards to reduce energy consumption, insulation slabs for roof tops and flooring, to reduce heat and cold temperatures from natural elements. And the renovation of strong but light -weight insulated construction panels and planks with eco- friendly material.

As director and owner of my company, I am always there to give my best help to clients and supply them with the right product and with the best free advice on our products. Furthermore I can help them to understand how to install it by themselves. For more advice or any questions which occur, clients are asked not to hesitate to contact us.

E:Mail [info@creativeprojects.eu](mailto:info@creativeprojects.eu) [www.creativeprojects.eu](http://www.creativeprojects.eu) Mob:+356 79474206

Showroom No:+356 21432775.

# INTRODUCTION FOR LIGHT WEIGHT BUILD

## FOR BUILDERS AND ARCHITECTS

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Light weight build system is the new generation and renovation sustainable building for nowadays modern homes. This system is designed to be energy efficient and long last quality.

The design of this system was carefully selected to accomodate the necessary supplies for a modern house need and to be strong against all elements for many years to come and low maintainiance. In all this system each panel and plank are designed with shafs and channels space between one panel / plank to another to accomodate services needed. If you are projecting a plan with this system you need the following important advice to not exceed the limits of a safe build. You can build between one storey and two on each other. Do not exceed ceiling span more than 6m. Ceiling between 3m and 6m it is necessary to use spine beams crosslength every 120cm.



# INSTALLING LIGHT WEIGHT SYSTEM

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## Walls installation

Technically panels and planks are designed to fit metal section. As a starting point you need to pin point your laser marks on the concrete platform regarding your plan and follow by installing all perimeter perforated hollow section. Installing first panel; Fix your first screw and level it up from edge of the panel and fix the second screw on the same side, turn on the other side, level the panel this time from middle to align level of the wall.

Fix last two screws located in the middle at a lower level and of each side follow by fixing the dove-tail in the channel of the panel. Once you have the first panel leveled and fixed, level the rest as it is easy to follow. System takes one dove-tail on each panel to re-enforce vertical joint between one to another. After wall panels are installed in place, fix plain hollow section in top channel to re-enforce the whole structure as one piece.



## WALL PANELS

Panels are manufactured from two parts of board and one part of polystyrene pressed and moulded together.

These panels are designed to resist all kind of normal elements as they are light and strong.

They are also designed with bottom and top service shaft system for electricity and water pipes.

They can be custom made with build in electric pipes and electric boxes for faster and easier installation.



## DOVETAIL

Dove-tail is designed to join one Panel /plank to another to re-enforce the whole structure as one piece.

These dove-tails are made of two parts board and one part high density polystyrene. Dovetails are also designed with shaft channelled from one side to accommodate supplies.



## PLANKS

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Planks are designed the same system as panels.

Electric and water shafts are also designed in planks.

Planks can be water proof by carpet membrane.

As ceiling planks they are available in two systems: one heavy duty to resist weight of 300kg / m<sup>2</sup> and the other one as standard walkable only.



## WINDOW PANELS

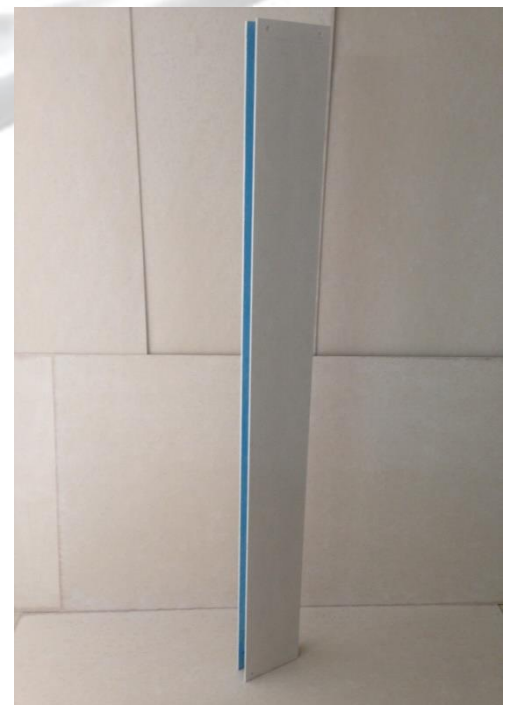
These window panels are designed for fast installation so you don't need to cut from panels when it comes to create a window.

Standard size for window can be between one panel to the biggest window of 5 panels. Size of window panel is 610mm width by the height of 910mm.



## BEAMS FOR WINDOWS AND DOORS

These panel beams are designed standard size by the width of 30cm and 240cm in length. Window / door beams need to be cut and fit onsite with the bottom standard panels. To build a door or window you need to see how much you want the aperture size, we always suggest to go with the size of the panel which is 60cm and multiply how much is size of windows or doors you need to install.



## METAL TRACK PROFILES

Perforated hollow section:

perforated hollow section with 20mm

in diameter holes are made to

accomodate nail gun or

traditional plastic caps and bolts.

This profile is designed to be installed

on concrete platform / second

storey build and between planks.



## PLAIN HOLLOW SECTION

The plain hollow section is designed to

be installed on corner panels, on top

of panels to connect the whole

structure and between planks.



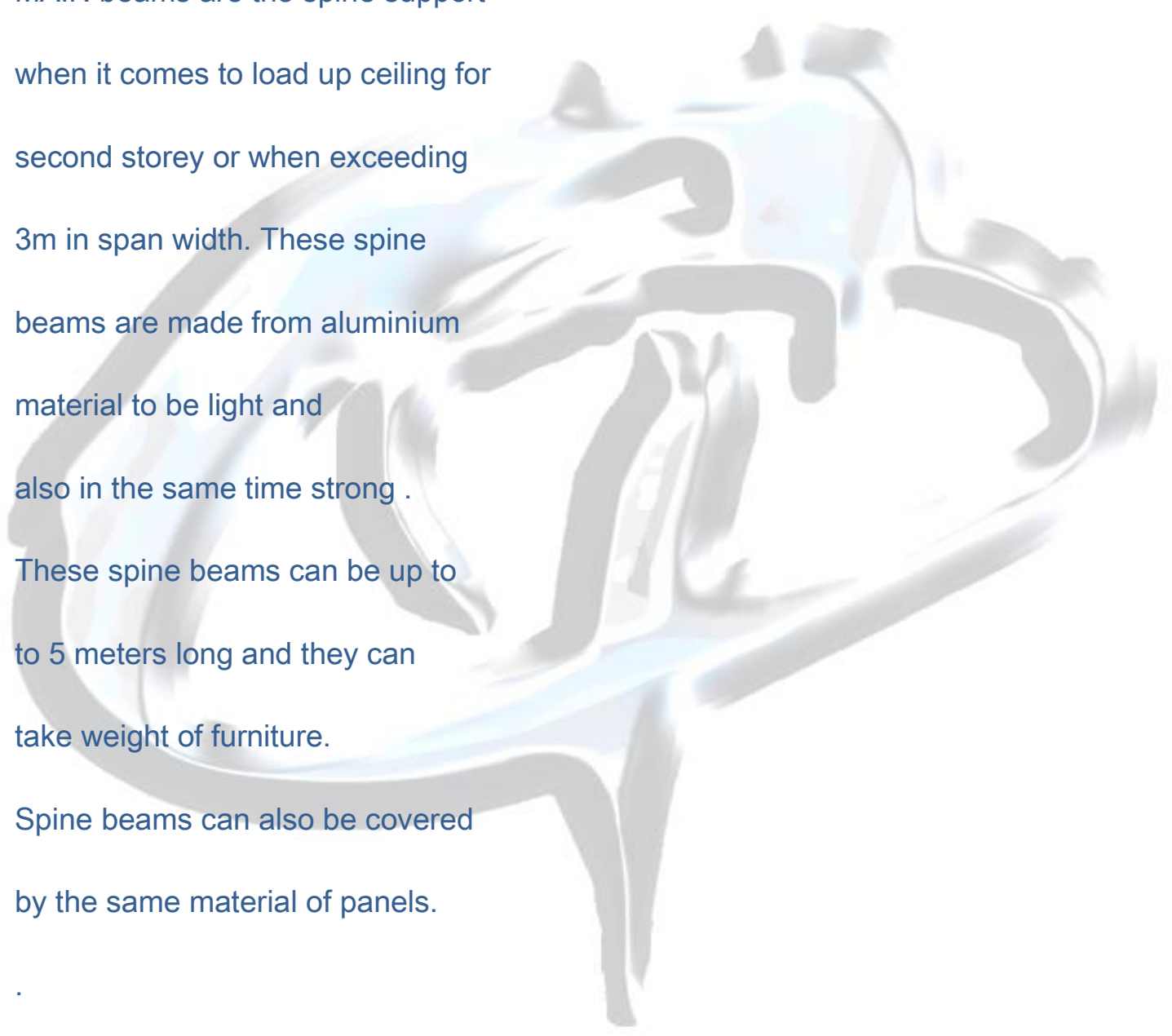
## MAIN SUPPORTING BEAMS

## SPINE BEAMS

MAIN beams are the spine support when it comes to load up ceiling for second storey or when exceeding 3m in span width. These spine beams are made from aluminium material to be light and also in the same time strong . These spine beams can be up to 5 meters long and they can take weight of furniture.

Spine beams can also be covered by the same material of panels.

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## METAL BRACKET

### CORNER BRACKETS

Corner brackets are designed to fit in hollow section to re enforce top end panels for the whole perimeter structure.



### SPINE BEAM BRACKET

Spine beams bracket are designed as a U-shape to fit in panel wall as they take support of the spine beam.