

Campion ICP homes are
built better & faster...

AT LEAST 10 TIMES FASTER

Speed of erection, less onsite labour, quality controlled, enhanced soundproofing, high density polyisocyanurate insulation giving U-values from 0.25 down to 0.11.

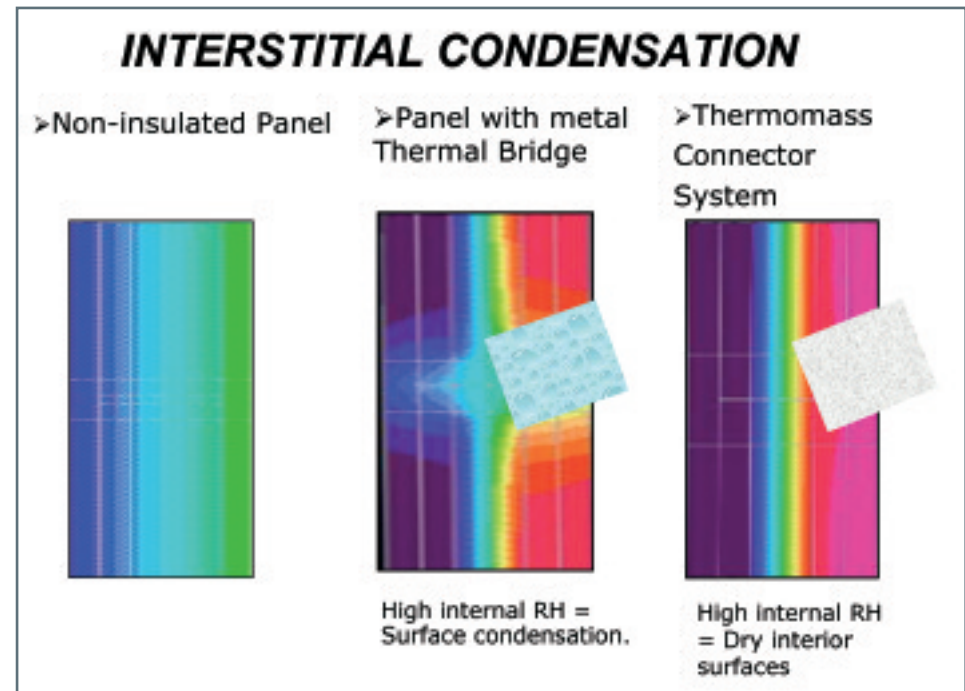
HUGH SAVING ON HEATING COSTS.

Campion concrete manufacture a high density insulated concrete panel (ICP) house building system producing U-values from 0.25 to 0.11 (industry recommended value is 0.27)



CONCRETE BUILT IS BETTER BUILT

COLD BRIDGING:



Both the steel connectors and the solid concrete section act as cold or warm thermal bridges and pass energy through the wall.

The **Thermomass connectors do not pass energy** and do not pass energy through the wall.

By preventing thermal bridges, the Thermomass connectors will prevent surface condensation and interstitial condensation; better than traditional construction

HURLING WALLS:

Benefits of using the hurling wall

- To facilitate squad training in & out of season and in all types of weather.
- The wall allows players to take an active role in their own development.
- To enable the coaches to manage skill development in a positive environment. Insulated Concrete Panels
- The wall now becomes the teacher.
- To improve technical proficiency maximizing the amount of ball contact in training
- Efficient use of valuable time.
- Maximizes club facilities and equipment.

Benefits to each individual

- The ball has to come back to you
- Variety of shots achievable
- Development of good body movement and stance
- Anticipation Skills are developed
- Increased Ball contact
- The wall becomes a second coach



Quotes...

Liam Griffin: 'I hurled a thousand All Irelands against the wall before I was ten, it was magic!!

D.J. Carey 'I would solo run, ball and hurl 2 miles home from school, throw the bag in the corner and for hours until it got dark, hit the ball against the wall. Dreaming of Eddie Kehir and Ger Henderson, coming back from 25 points in an All Ireland final, every time you hit the ball you were scoring the winning goal.'

OTHER PRODUCTS:

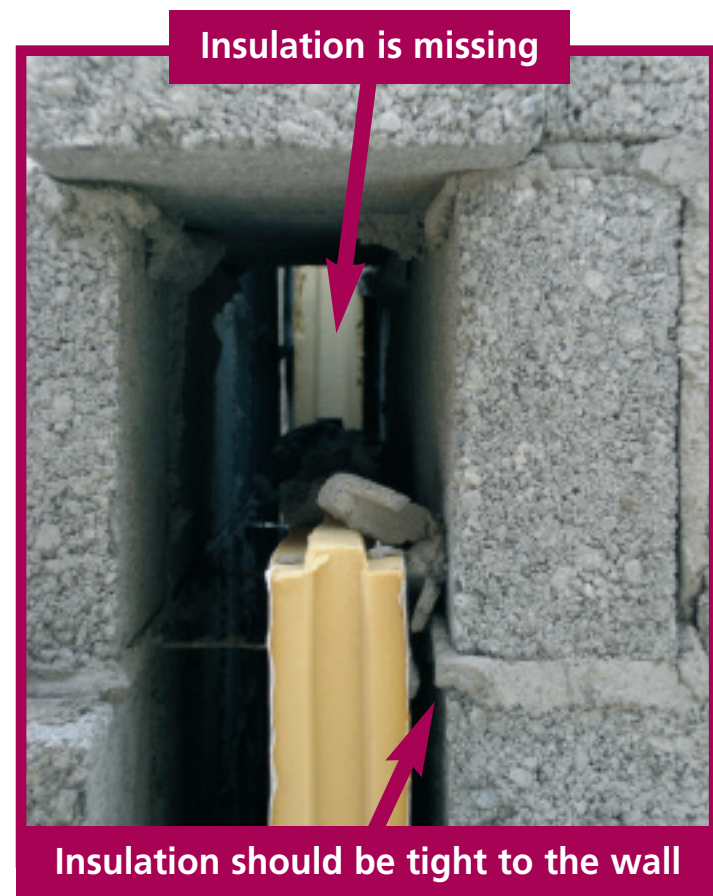
Campion Concrete has a production facility of over 6000sq metres conveniently situated in the Midlands where we can manufacture concrete products to suit each customer's individual requirements. We are preferred manufacturers for the countries new roads network supplying concrete products for bridges e.g. Hexlok reinforced precast panels, Precast copings & permanent formwork slabs. We also provide prestressed hollowcore & wideslab flooring for the construction industry. We also manufacture products for the agricultural industry eg. Insulated walls for piggeries, cattle slats, cubicle units & twin wall panels for the construction of permanent walls & tanks. Other products can be designed & manufactured to suit each individual customers requirements as required.

VISIT OUR FACTORY:

Interested parties can book an appointment to view our manufacturing facility.
Call **057 873 8579** to make an appointment.

www.campionhomes.ie

INSULATION:



Unfortunately in the majority of houses constructed today the cavity insulation is poorly or incorrectly fitted; or in some cases not fitted at all!



OUR BUILDING SYSTEM:

Campion concrete wall panels are made in a controlled factory environment, the manufacturing plant has over 6000 square metres of a production facility standing on 50 acres in Co. Laois, where every process of the manufacturing procedure is quality controlled throughout.

Upon receiving the client's drawings, our cad engineers produce the detailed drawings for the manufacturing process to begin. The process begins with a computer designed and laser cut 130mm high density Polyisocyanurate insulated panel being manufactured.

Electrical boxes, conduit, telephone & data sockets are all precisely positioned in the internal concrete wall panel.

100mm of 60 Newton concrete with structural steel is then placed on the casting beds, onto this we place the 130mm high density Polyisocyanurate insulation, with a further 50mm layer of concrete placed on top of the panel. The concrete panels are connected with fibre composite ties which eliminate *cold bridging*.

The casting bed is then vibrated to produce the strongest, smoothest wall panel possible. The external wall is scratch coated to receive the clients own required finish whether it be plaster, stone, brick or dash finish.

Campion Homes use the highest grade insulation available (*polyisocyanurate*) Extra sockets can be easily fitted at a later stage with our unique socket to socket conduit connection system.



Campion Concrete Products Ltd was formed in 1989. We are one of the leading manufacturers and suppliers of concrete products to the building industry and can provide a solution to suit every situation. To our vast range of products we have added a highly insulated concrete wall panel (ICP) U-values range from 0.25 to 0.11 to serve today's growing demand for energy conservation and low carbon emissions in the house building industry. Our manufacturing facility is conveniently situated in the midlands at Borris-in-Ossory Co. Laois which allows us to serve the whole of Ireland.



When the concrete has set the panels are lifted from the casting beds and placed in an upright position onto our unique Langendorf low level trailers for transportation to the site.

The panels when on site are lifted into position by crane, the erection of the panels by crane eliminates a large amount of scaffolding hire associated with block built or timber frame construction.

The speed of erection cannot be equalled with any other construction process that is on offer at this time. The erection process from floor level to the completed shell is a minimum of **10 TIMES FASTER** than timber frame. This gives an unrivalled return on investment for the developers and will lead to a quicker quality assured final build process with less reliance for onsite trades and weather conditions, thereby reducing the overall cost & speed of the build process.

Campion concrete group suggest to clients that they use our concrete pile foundation system when constructing their home. The pile system produces a resistance which is 1.5 times the load of the house. This will ensure that your property is sitting on a tried & tested solid foundation. Our system can also be used with raft foundations and traditional strip foundations without any alterations to the foundation specifications.

To the piled foundations we add our floor beam and then our suspended concrete floor. We then erect the insulated concrete wall panels to the ground floor and then place the suspended concrete flooring which forms the ground floor ceilings & bedroom floors.

More wall panels are then erected to take the house to the bedroom ceiling height where we again use our suspended concrete flooring which gives the added advantage of having a concrete floor in your attic space for a ready made storage area or for a future straightforward conversion to a habitable space. All this can be achieved in the space of 1 week! The structure of the house can be erected in 2 days from the ground floor base level.



BENEFITS:

The benefits of using the insulated concrete panel building system are as follows:

- **Quality & accuracy**
The panels are manufactured in a controlled factory environment. This enables quality controls of the highest standards. All walls are smooth, true and plumb!
- **Speed of construction**
The structure of the house can be erected in 2 days from the ground floor base level and erected in one week from a green field site.
- **External walls ready for finishing**
The external walls are scratch coated in order to receive the clients own choice of finish.
- **Highly insulated**
High density Polyisocyanurate insulation.
- **Electrical sockets in position**
Our unique socket to socket connection system makes the addition of extra sockets very easy to install at a later stage.
- **Concrete floors throughout**
Concrete floors do not warp, twist or rot. They also offer high levels of sound insulation and offer a greater fire resistance.
- Concrete is a far superior material for soundproofing your property. Concrete's ability to absorb and store heat produces a comfortable environment avoiding unwanted temperature swings. Modern, well insulated concrete homes are highly **ENERGY EFFICIENT**, making a positive contribution to the challenge of climate change and minimising the effects on the built environment.
- Concrete has a greater **FIRE RESISTANCE** and is **NON-COMBUSTIBLE**. In the event of fire, concrete built homes retain their structural stability and will be less costly to repair.
- Concrete is **WATER RESISTANT** and will not warp, rust or rot. Concrete homes are less affected by flooding or by leaks from tanks or water pipes.
- Concrete has excellent **SOUND INSULATION** properties. Concrete walls and floors absorb **SOUND AND VIBRATION** which virtually eliminates noise transference from room to room.
- Concrete walls between adjoining properties offer high levels of **SECURITY** and peace of mind to property owners. For semi – detached or terraced houses, our build system also has an insulated party wall consisting of 100mm reinforced concrete, 90mm or 130mm (*depending on U-value requested*) high density polyisocyanurate insulation and 100mm reinforced concrete. This results in a better insulated house and noise reduction through the party wall is virtually eliminated, which no other building system is offering.
- Concrete is a far superior material for soundproofing your property.

