

The image features a background of a Mediterranean-style building with a large arched wooden door, a smaller arched window above it, and two black lanterns on the wall. Two men are walking in the foreground. A green banner with a gear-like pattern is overlaid on the right side, containing the text 'FastBloc' and 'BUILDING SYSTEMS'.

FastBlocTM

BUILDING SYSTEMS

Improving Homes,
Improving Lives,
Improving Communities

why FastBloc?

IMPROVING HOMES

We believe everyone can have access to a high quality home.

Old methods of building, with bricks and concrete blocks, are... old. Collapsed buildings due to earthquakes and hurricanes can be avoided. Affordable housing doesn't have to mean poorly constructed housing. Homes that are not energy efficient effect homeowner's quality of life and finances.

FastBloc is a type of Insulated Concrete Form (ICF) providing affordable, safe, energy efficient homes for families worldwide.

Improving homes is important because it leads to...

“Insulated Concrete Forms are revolutionizing the construction industry because of the exceptional energy efficiency, comfort, safety ratings, and speed of construction at lower total cost.”

<http://www.morderintelligence.com>

improving lives



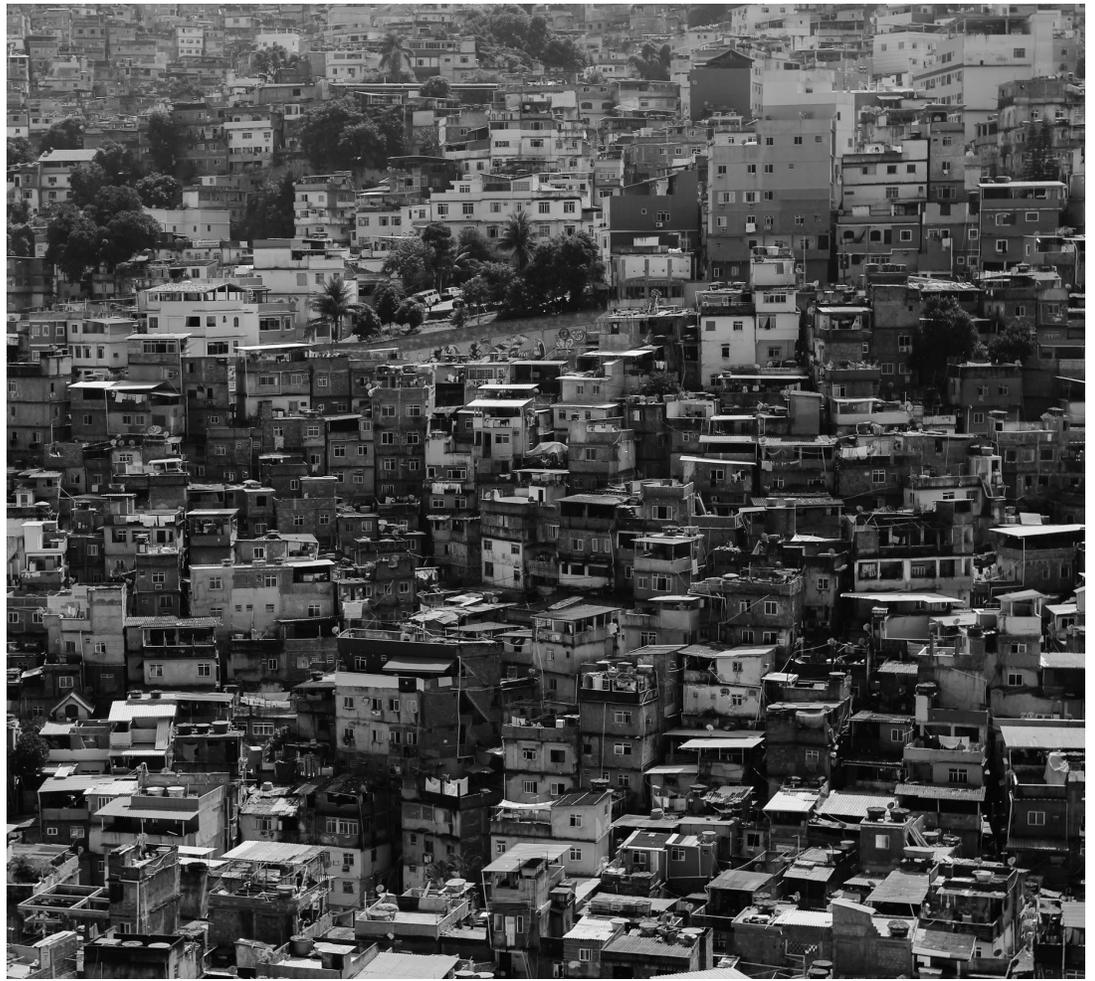
Families that live in high quality homes have an asset they can build their future on. An asset that can be passed on to future generations.

Homes that are built with greater structural integrity give homeowners a peace of mind knowing their families will be safe from man and Mother Nature.

Energy efficient homes save homeowners valuable discretionary income, allowing them to invest more into their families and create a better quality of life.

Improving the quality of life for families is important because it leads to...

*“We created FastBloc
because we believe if
we can improve
housing we can
improve people's lives
worldwide.”*



improving communities

When families have a high quality home they are not constantly using all available funds to make repairs. When families are stronger financially, they have more time and capacity to invest in their communities.

This increased capacity for community involvement, as well as the decreased impact of natural disasters, lowers the financial burden on state and local governments.

We created FastBloc because we believe if we can improve housing we can help improve people's lives worldwide...

...and we welcome you to join us.

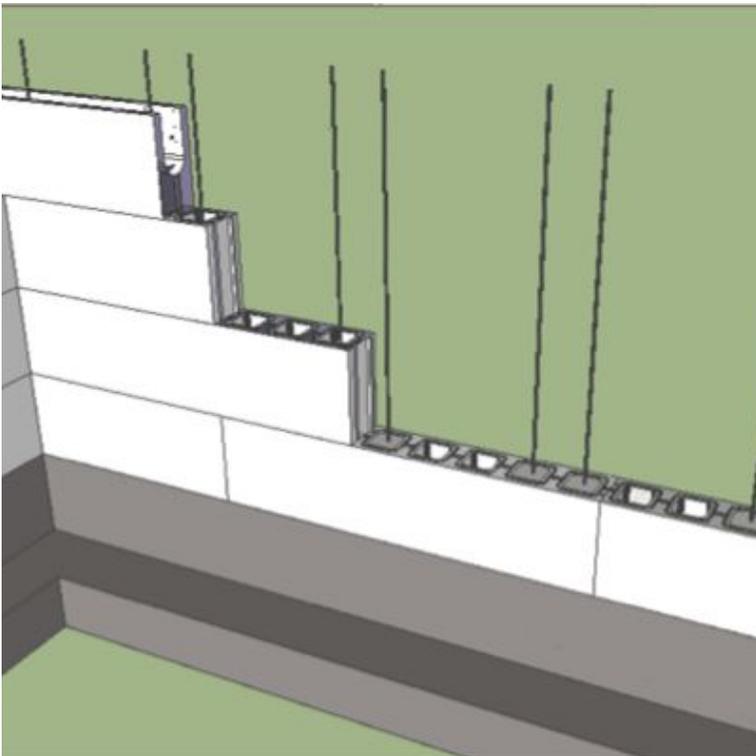
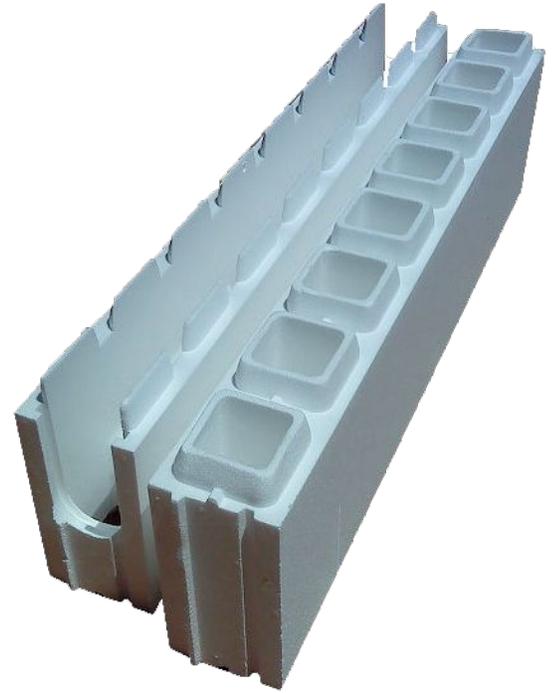


Introducing the FastBloc Building System



strength & durability

FastBloc acts as form work for reinforced concrete, post and beam construction, creating an extremely strong skeleton inside the walls.



simple installation

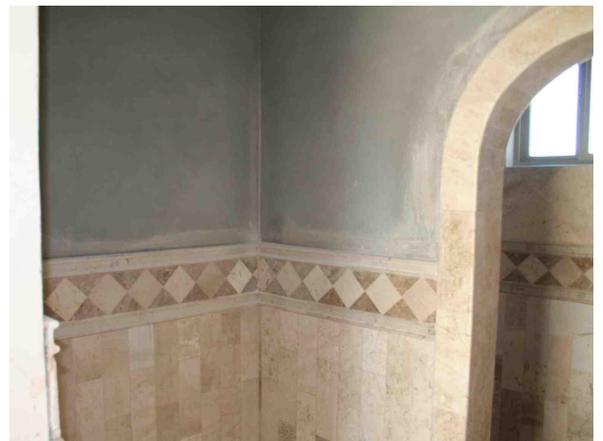
FastBlocs' interlocking blocks decrease wall construction time up to 50%.

finishes

Multiple styles of exterior and interior finishes possible.



Plaster, drywall, stucco, and stone are easily applied.



Simple two step application includes paint, saving time.



utility installation



Utility lines are easily installed inside the walls.



No chiseling of blocks required.



Allows for 3-5x faster installation.

Builders save an average of 30% on wall construction costs using FastBloc.*



Puerto Peñasco, Sonora, Mexico
*Prices may vary based on local markets.

cost savings

Non-Skilled Labor

One of the greatest advantages of FastBloc is it *does not require skilled masons and is so simple people with no construction experience can be trained in hours.*

Total Savings

The increased speed of construction and lower labor costs provide on average a 30% savings in wall construction costs.*

Time

On average, FastBloc reduces wall construction time by 50%, reducing labor and interest carry costs.

Simple is Better

Unlike other ICF's, FastBloc is ready to use the moment it's delivered and minimal bracing is required during the construction process.

Utilities

Faster utility installation reduces construction time and costs.

energy efficiency study

THERMAL STUDY PROVES AN INSULATING CONCRETE FORM WALL CAN ACHIEVE UP TO 60% ENERGY SAVINGS AND 58% GREATER R-VALUES FOR HOME AND BUILDING OWNERS.



“Up to 60% more energy is used with a 2" x 6" wood frame wall system vs. an ICF wall system.”



<http://icf-ma.org/resources/thermal-study/>

The Insulating Concrete Forms Manufacturers Association (ICFMA) recently commissioned CLEB Laboratories (formerly known as Air-Ins Inc.) to conduct the first in a series of accredited whole wall thermal studies. This installment compared a 2" x 6" traditional insulated wood frame cavity wall to a standard 6 inch (150mm) core insulating concrete form (ICF) wall. The study was overwhelmingly revealing; confirming dramatically superior energy-efficiency performance and an overall better R-Value/RSI demonstrated by the ICF Wall assembly.

For decades, the ICF Industry has been asked to provide definitive proof that thermal mass, the air-tightness and continuous insulation features of ICF walls deliver real, quantifiable benefits in terms of overall energy-savings and achieved R-Values/RSI. Many studies have been conducted in the past by the Portland Cement Association (PCA), the Canada Mortgage and Housing Corporation (CMHC) and the Department of Housing and Urban Development (HUD) all of which were either based on limited field comparisons or thermographic computer modeling. This is the first time a SCC & IAC Accredited, and Internationally recognized testing facility has been commissioned to evaluate a realistic side-by-side comparison of the two types of wall assemblies within a single study.

The test results confirm the following:

- The tested ICF wall assembly provided 58% better effective R-Value/RSI than the tested 2" x 6" wall assembly
- The tested ICF wall assembly generated up to 60% energy savings compared to the tested 2" x 6" wall assembly
- The measurable contributions of the ICF wall assembly's thermal mass and the interior and exterior layers of continuous insulation

What does this mean for consumers? Consider two typical homes, each with 2,000 square feet of wall area – one constructed in wood frame to permitted code, the other constructed using ICF technology and subjected both to the same test condition. When incorporating the average kWh value for all North America, this study indicates that in many climate zones that during the most extreme cold conditions an ICF wall can save between \$140 and \$190 per month in equivalent electrical consumption when compared to a traditionally constructed wood frame wall.

FastBloc vs. mother nature

FastBloc can withstand 200 mph hurricanes, savings homes and lives in high wind areas.

Tables are for sample purposes only. Please see the full Wind Table report, including the Disclaimer and Limitation of Liability, at www.fastbloccs.com.

8 Inch Wall, 8 Feet High												
Column Rebar	1- #4 ^{e,f}											
Jamb Rebar	1- #4 ^{e,f}											
	Typical ^j			3' Opening ^j			4' Opening ^j			5' Opening ^j		
Wind Exposure	B	C	D	B	C	D	B	C	D	B	C	D
Wind Speed	Maximum Column Spacing											
110	24	24	24	24	24	24	24	24	24	24	24	24
120	24	24	24	24	24	24	24	24	24	24	24	24
130	24	24	24	24	24	24	24	24	24	24	24	8
140	24	24	24	24	24	24	24	24	8	24	16	DR
150	24	24	24	24	24	16	24	16	DR	16	DR	DR
160	24	24	24	24	16	8	24	8	DR	8	DR	DR
170	24	24	16	24	8	DR	8	DR	DR	DR	DR	DR
180	24	16	16	16	8	DR	DR	DR	DR	DR	DR	DR
190	24	16	16	8	DR	DR	DR	DR	DR	DR	DR	DR
200	16	16	8	8	DR	DR	DR	DR	DR	DR	DR	DR

8 Inch Wall, 8 Feet High												
Column Rebar	2- #4 ^{e,f}											
Jamb Rebar	2- #4 ^{e,f}											
	Typical ^j			3' Opening ^j			4' Opening ^j			5' Opening ^j		
Wind Exposure	B	C	D	B	C	D	B	C	D	B	C	D
Wind Speed	Maximum Column Spacing											
110	24	24	24	24	24	24	24	24	24	24	24	24
120	24	24	24	24	24	24	24	24	24	24	24	24
130	24	24	24	24	24	24	24	24	24	24	24	24
140	24	24	24	24	24	24	24	24	24	24	24	24
150	24	24	24	24	24	24	24	24	24	24	24	24
160	24	24	24	24	24	24	24	24	24	24	24	24
170	24	24	24	24	24	24	24	24	24	24	24	16
180	24	24	24	24	24	24	24	24	16	24	24	8
190	24	24	24	24	24	24	24	24	8	24	8	DR
200	24	24	24	24	24	16	24	16	8	24	DR	DR

- Tables are based on ASCE 7-10 components and cladding Zone 4; building height less than 20 feet; topographic factor = 1; Risk Category = Type II
 - Tables are based on concrete compressive strength of 3000 psi and reinforcement yield strength of 60,000 psi.
 - Deflections are limited to H/200 for wind and L/240 for seismic, where H is the unsupported height of the wall.
 - The top of the walls shall be braced by a roof or a floor. Floor slabs or grade beams shall brace the bottom.
 - Lap splices shall be at least 60 times the bar diameter.
 - Reinforcement shall be placed at the center of each block. See details.
 - The tables do not substitute for engineering services by the Engineer of Record
 - Header bar and in plane shear design by others.
 - Tables are based the 2015 IBC which references ACI 318-14.
 - See Figure 1 for column and jamb locations.
- DR = Additional Design Required

FastBloc vs. masonry brick

How does FastBloc stack up to Masonry Brick?
There's really no comparison.

Lower Labor Costs- Unskilled labor can be trained to build with FastBloc in hours, creating massive savings compared to expensive Masonry tradesmen.

Faster Construction- The time to construct walls is reduced by over 50%, decreasing labor costs while increasing the volume of units built.

Stronger Buildings-FastBloc can be engineered to withstand earthquakes and hurricanes, creating peace of mind and homes that will last generations.

High Insulation Values- Electric bills have been cut in half with FastBloc, saving homeowners money while minimizing impact on local power grids.

Easier Utility Installation- Electrical and plumbing systems are easy to install, decreasing construction time and installation costs.

Sound Barrier- FastBloc reduces noise between rooms, creating better living environments, especially in multi-family dwellings.

Reduce Job site Related Injuries- Masons lift an estimated 1.8 million pounds of block per year. FastBloc can reduce that number by **1.5 million pounds**.

Low Cost- Walls made with FastBloc are more cost efficient than Masonry Brick.

Green Construction- FastBloc can help your construction project attain certifications for using green, recyclable, energy efficient construction materials.

unskilled labor

We have trained high school students with no construction experience to build with FastBloc in a matter of hours. They were able to frame a 700 square foot home in two days.

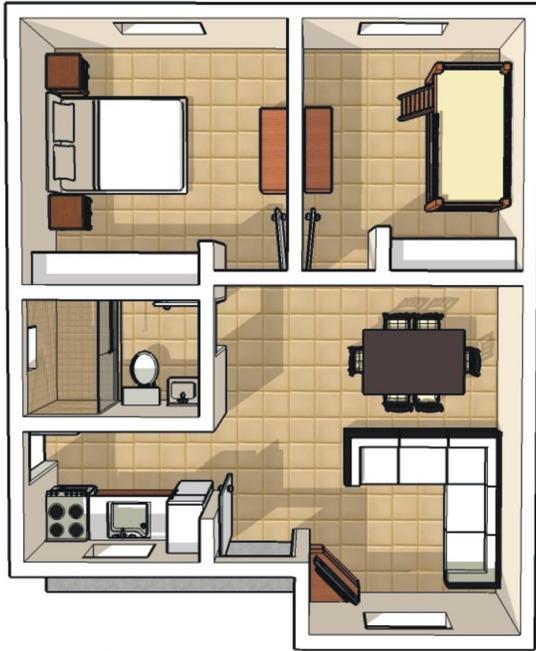
Skilled Masons typically rank amongst the most expensive laborers on a construction site. FastBloc does not require Masons for construction, saving the builder in labor costs.



During times when Masons are in short supply, utilizing FastBloc allows builders to access a larger labor pool, decrease construction time, and save money.



gallery: affordable housing



gallery: high end homes



gallery: high end homes



certifications



countries built in



- armenia
- brazil
- costa rica
- dominican republic
- haiti
- honduras
- mexico
- uganda
- united states

The image features a light-colored stucco building with a large arched wooden door and a smaller arched window above it. Two men are walking past the door. To the right, there are two large, dark, cylindrical objects, possibly water storage containers. The background is a clear blue sky. A green banner with a white grid pattern is overlaid on the right side of the image, containing the company name and contact information.

FastBlocTM

BUILDING SYSTEMS

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