

A masonry home has a significant amount of strength compared to a traditional wood-framed home.

With a masonry home, you and your family will sleep in comfort knowing that you are protecting your family and the environment by conserving energy.

Durability

10 Reasons You Want a Masonry Home:

1. Energy Efficient “**GREEN**”. Energy bills can be reduced by 40-60%. www.concretehomesnc.com
2. Affordable Compared to Other Systems
3. Resistant to Fire, Wind, Insects and Mold
4. Exceptionally Quiet & Secure
5. Lower Insurance Premiums “Rated Superior Construction”. Masonry can save a homeowner up to 25%.
6. Multiple Exterior Finishes. Homes can be finished with split face block, brick, stone, and/or siding.
7. Reduced Maintenance Costs. Masonry will not rot, peel or flake.
8. Environmentally Friendly Materials “**GREEN Again**”. Reduces our carbon footprint.
9. Better quality of living. Resales on masonry homes are higher than wood framed homes.
10. Rock-solid investment. 50,000 tons of support from the average block basement.
 - Currently over 80% of homes being built in Florida are being built with masonry framing.
 - Masonry homes can withstand disasters such as hurricanes, tornados, and other tragedies that Mother Nature throws at us.
 - Masonry framing has a strength of 400 lbs per running foot compared to 80 lbs for wood.
 - Reduces sound transmission through walls by over 80%.

Fire Prevention and Facts

Residential fires account for:

- 78% of all fires
- 84% of all fire deaths
- 81% of injuries
- Average loss of \$6.4 million worth of damage.
- With all masonry homes, we hope to decrease those numbers by 85%.

Masonry homes are able to withstand fire at a much higher degree and longer time than traditional wood framed homes, where fire can spread from one room to the next in a matter of seconds.

Masonry Block v. Fire		
Masonry Block Width in Inches	Block Cell Treatment Hours without damage.	
	Partial Fill Cells	Solid Fill Cells
4”	1 Hour	1 Hour
6”	1 Hour	4 Hours
8”	2 Hours	4 Hours
10”	3 Hours	4 Hours
12”	4 Hours	4 Hours

Source: National Fire Protection Association & USFA



Mold and Termite Prevention

Masonry blocks are resilient towards mold buildup. Mold prefers softer, rotting, once living materials such as wood where masonry is unwelcoming for mold. With Krete BGP added to our strong formula, our blocks are able to withstand water penetration while giving our block a faster drying time than wood framing.

Growth	% Of area covered	Grade	Organic Substances
None	0	0	No Growth
Trace	1-10	1	Minimal Growth
Slight	11-30	2	Irregular Growth
Moderate	31-70	3	Substantial Growth
Severe	71-100	4	Massive Growth

Sample	Grade	Growth
Drywall with paint on 1 side	1	Trace
Water-resistant drywall	3	Moderate
Piece of 3 1/4” wood flooring	3	Moderate
10” clay brick	0	None
Masonry block (Unsealed)	0	None
Masonry block with primer	0	None

Masonry Canada, Spring 2004 Testing

<http://www.ccmpa.ca/Uploads/download/fungal.pdf>

Termites are a killer when considering a wood framed home. Wood hits a termite’s sweet tooth where masonry breaks it. Along with the termite solution, masonry solves the problem of rotting supports caused by Mother Nature and the changing of the seasons.

Going Green

A. Duchini Incorporated is dedicated to going green to better our future generations. Our goal is to reduce our carbon footprint in half by using recycled, crushed block to reinforce our dedication for a better planet. Providing green alternatives to lumber milling will save trees, which in return will create better air quality and help reduce global gases and deforestation.

- Masonry block are able to decrease heating and cooling bills up to 40-60%.
www.concretehomesnc.com
- Masonry blocks are made from environmentally safe materials, which do not hurt the quality of air when being produced.
- Reinforced and supported with recycled steel, which increases fire safety and stability.
- Fire, water, mold, and wind resistant, which will increase the lifetime of a home and decrease amount of wasted material from natural disasters.



Here at A. Duchini Inc, we carry a wide variety of:

- Block
- Brick
- Retaining walls
- Patio block
- Patio Pavers
- Real stone
- Artificial stone
- Indoor Fireplaces
- Outdoor Fireplaces
- Fireplace doors
- Fireplace mantles
- Fire pits
- Basement windows
- Mortar
- Masonry tools



"Overall Picture"

Building Erie Since 1932

"To exceed our customers expectations while providing quality masonry materials, supplies, and service to the greater Erie area as we grow and improve as a leader within our market."

A. Duchini Inc, the tri-state areas largest manufacturer of block and related masonry products, has been supplying high-quality building materials to the construction industry for generations. Throughout the region, professional contractors, builders and do-it-yourselfers know they can count on A. Duchini for quality and service.

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