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## Welcome to Blox Building Systems

Blox Building Systems is proud to offer a patent pending building blox like nothing else.

Our Greenstar Blox™ are an energy efficient and environmentally friendly building material comprised from recycled short-fiber cellulose (newspapers, phone books, and lotto tickets), cementitious materials, water, and a two part organic ad-mixture.

We don't just use any paper. We prefer a special blend of recycled newspapers, lottery tickets, office documents, and phone books for all of our products, during both manufacturing of and construction with our Blox. We have replaced aggregates normally found in concrete with our gradations of cellulose fibers to form a material with high insulating and structural characteristics.

The advantages of using Blox Building Systems are numerous. The simplicity of masonry construction is only topped with the use of light weight materials. Our Greenstar Blox™ are an exact cinderblock replacement and weigh only 8 pounds. Greenstar Blox™ will double and even triple the R-values of conventional wood frame construction. The customer sees this in their annual energy savings.

The goal of Blox Building Systems is to minimize the impact that materials have on the environment throughout the building life-cycle; including construction, operation, possible renovation, and eventual demolition by using a salvaged waste material, conserving natural resources, and encouraging a more efficient lifestyle.

## Advantages of using Greenstar CinderBlox

- Highly insulating
- Reduces utility bills
- Superior compressive strength
- Simplicity of Construction
- Fire, Water, Mold Resistant
- Termite/Rodent Resistant
- Ballistics Resistant
- Inherent Sound Properties
- Reduced material costs
- Quick Installation with minimum skill
- Lightweight and easy to handle.
- Cuts easily with a chainsaw
- Lower insurance premiums
- LEED Credits

**[www.GreenstarCinderBlox.com](http://www.GreenstarCinderBlox.com)**  
**or call (325) 347-0375**

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**What sizes are Blox available in?**

Greenstar Cinderblox™ is our premiere product as an cinderblock replacement. Also we have the 10"x14"x4" Adobe size Blox is in full production. We will be offering 8"x8"x16" Box version as well. Custom panels and products are also available. Call for more details.

**Can Blox be used as dividing or partition walls?**

Yes, Blox are ideal for this application for use in storage units and cubical spaces because of its fire resistance, sound qualities and climate control abilities.

**What kind of insurance breaks are available?**

Not only will you save on electricity but in a house that cannot burn or mold many companies offer savings on insurance premiums.

**How do Blox fit in the building code?**

Blox Building Systems and Greenstar Blox™ are currently being evaluated by the International Code Council. Tests such as freeze, thaw resistance, moisture absorbency and load deformation behavior will determine durability of the material. Compressive strengths and R-value give Blox Building Systems the ability to be used as cement stabilized Adobe and infill walls. Infill walls are constructed with blocks in a non-structural element. They fill space between concrete, steel or wood structural systems.

**What are Blox made of?**

65 % recycled paper, 25% Portland Cement, 10% Water and Additives.

**How strong are Blox?**

3,000 psi, the minimum required strength for concrete.

**What is the R-value of Blox?**

3.2 / inch - This gives you an R-Value of 32 in a 10" wall, 45 in a 14" wall.

**Will Blox burn or catch fire?**

No, Due to the amount of cement and a fire retardant additive dosed in production the BLOX, the BLOX will not burn, catch fire, or even smoke.

**What if Blox get wet?**

Small amounts of wall are absorbed by a un-finished BLOX due to porosity; however, the water evaporates as quickly as it absorbed. There are water repelling additives used in the production the BLOX, but like other masonry materials we do recommend using some type of water proofing sealer or paint. A BLOX will actually float!!!

**How much does a Blox weight?**

About 8 ½ pounds after 14 days of curing.

**How do you cut a Blox?**

A low horse-power, electric chainsaw or reciprocating saw have proven to be very effective for both cutting BLOX and running trenches for electrical and plumbing lines.

**Wall Composition Comparison**

**Cinder Block**

Layer	Material	Thickness	R-Value	\$ PSF	Labor
1	Sheetrock	5/8"	1	\$ 0.27	\$ 0.15
2	Metal Studwall	3' 5/8"	0	\$ 10.00	\$ 1.25
3	Fiberglass Insulation	3' 5/8"	8	\$ 0.20	\$ 0.20
4	OSB Sheeting	5/8"	1	\$ 0.79	\$ 0.46
5	Tyvek Vapor Barrier	4 mil	0.5	\$ 0.07	\$ 0.17
6	Cinder Block	8"	2	\$ 1.39	\$ 2.00
7	EPS Foam	0.5"	5	\$ 0.34	\$ 0.31
8	Tar Paper	4 mil	0.5	\$ 0.13	\$ 0.10
9	Brick/Stone/Stucco	4"	1.5	\$ 0.11	\$ 0.27
				19.5	\$ 13.29 \$ 4.91

Total Cost \$ 18.20 psf

**Blox Building System**

Layer	Material	Thickness	R-Value	\$ PSF	Labor
1	Sheetrock	5/8"	1	\$ 0.27	\$ 0.15
2	Metal Studwall	3' 5/8"	0	\$ 10.00	\$ 1.25
3	Cinder BLOX	8"	25.6	\$ 2.89	\$ 2.00
4	Brick/Stone/Stucco	4"	1.5	\$ 0.11	\$ 0.27
				28.1	\$ 13.26 \$ 3.67

Total Cost \$ 16.93 psf

**More about Greenstar Blox**

Blox has a superior compression strength that was tested against other concrete masonry units by Arizona State University. Blox load bearing psi was found to be 3,000 psi compared to standard 1900 psi for masonry requirements.

Blox Building Systems is leading the charge with the International Code Council to set standards for this type of construction material. The American Society for Testing Materials (ASTM) and National Fire Safety Rating Systems (NFRS) both have standards that our Blox will exceed in present and future testing.