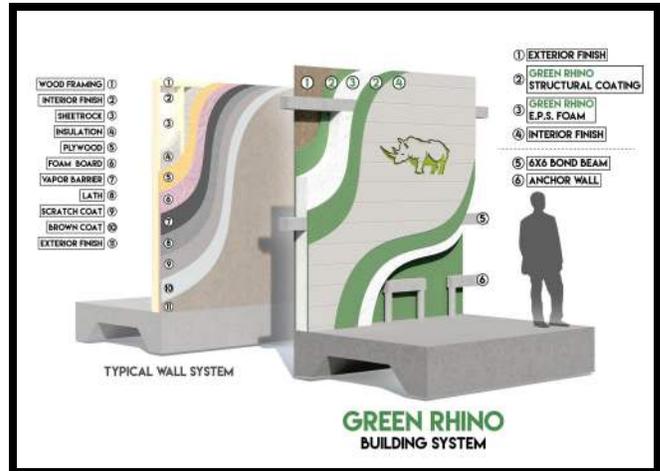




Green Rhino Building System

Eco-Friendly Foam Homes

Green Rhino's alternative building system is an alternative to wood framed homes. Green Rhino's building system creates structures using dense foam panels coated in a concrete-like structural coating. Electrical and plumbing are grooved out with hot wires creating quick and precise cuts. This system has many advantages, such as being eco friendly, cost effective, and unique. A typical wood frame home has over ten construction steps for traditional wood walls while G.R. building system has only six.



Alternative to Wood Frame

Advantages

- ❑ Using high density foam panels with high strength concrete-like coating, the role of traditional wood framing is completely replaced.
- ❑ As lumber prices increase, interest is given to alternative building systems.
- ❑ These materials are durable, long lasting, and are quickly assembled.

Light Weight

- ❑ By using lightweight building materials, structures can be built faster and with less labor.

- ❑ Construction requires no heavy equipment, while being an excellent alternative to wood frame.

EPS Foam

- ❑ By using high density foam panels surrounded by a high strength concrete-like coating, great insulation values are achieved.
- ❑ Being made from non combustible materials, these structures greatly reduce the risk of fire damage.
- ❑ No drywall is needed, so the risk of water and mold damage is non-existent.



Easily Repurposed

- ❑ Structures can be easily renovated or redesigned.
- ❑ Because the strength of the building system comes from the concrete like coating, it is a perfect system for structural additions.
- ❑ The EPS foam can also be recycled for other construction purposes.

Cost Comparison

- ❑ Compared to wood frame, material costs can be up to 30% less.
- ❑ Lightweight material and ease of construction result in less labor:
 - ❑ Less need for skilled laborers.
 - ❑ Quick assembly.



Eco Friendly

- ❑ Sustainable construction using little to no wood.
- ❑ No harm to trees and forests.
- ❑ EPS is over 90% air.
- ❑ Eco friendly foam composition.
- ❑ Very low Carbon footprint:
 - ❑ Low weight which reduces fuel consumption
 - ❑ Free of CFC and HCFC



Evaluation Report

- ❑ Full-scale testing completed to meet IBC and UBC.
- ❑ https://www.iapmoes.org/media/25398/er_0594.pdf



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