

## **Lok-N-Blok Frequently Asked Questions**

**1. Can Lok-N-Blok be used in any climate?**

Certainly – from the design standpoint Lok-N-Blok will be capable of being used in any kind of climate, and its high R-value makes it an ideal insulator.

**2. How does drywall or other interior wall materials attach to Lok-N-Blok?**

The same as with any other conventional form of construction, through use of nails, screws, or glues. Additionally, with a solid wall surface, you make it easier for many applications such as cabinetry when you need to ensure you are holding to a solid wall.

**3. How does siding, brick, or other materials attach to Lok-N-Blok?**

The same as with any other conventional materials or conventional form of construction through the simple use of nails, screws, or glues. Lok-N-Blok actually has a higher holding strength than pine lumber.

**4. How does Lok-N-Blok fit together at corners – are there special blocks needed?**

Not at all. The blocks are designed to simply interlock together at the corners using the dovetails that are produced in the block. You can use those dovetails along each side of the block to not only make corners, but provide a secure means of interlocking perpendicular walls as well.

**5. How does Lok-N-Blok secure to a building's footer or slab?**

The final connection is made using a post tensioning system that runs from the footers or slab vertically through the entire wall to the top plate. This holds the wall to the footer, but also compresses the entire walls to ensure all interlocks are pulled tightly together.

**6. Is Lok-N-Blok used for both exterior and interior walls?**

Although Lok-N-Blok was designed for use as a structural building product, mainly for use in exterior walls, there is nothing prohibiting its use with interior walls. The cost of the structural building block might prohibit this somewhat, but as a company, we know the desire to use our complete system, and we are in development of a lighter weight non-load bearing block that will be easily used for all interior walls.

**7. How are windows and doors installed?**

Nothing new to learn here – You would use the same manner you use today with other forms of construction. You simply leave the rough opening in your block needed to insert the door or window, and facially attach the unit using the nailing flange.

**8. How does the roof fit to a Lok-N-Blok wall?**

Standard roof truss will set atop of the wall and tied to the top plate that is secured to the blocks by the post tensioning system. In the very same manner you would attach your roof system with conventional construction methods, you would attach to Lok-N-Blok. Our design is so simple, it doesn't require any new methods or tools to construct your project.

**9. How does electrical install?**

The middle of the block has integral cavities/channels running both horizontally and vertically through the body nearly 1 ½ inches in diameter. Your Greenfield or Romex could be run through this cavity and brought out at any point by simply drilling through the side of the block for access.

**10. What is needed to build a Lok-N-Blok wall? Glue? Mortar? Nails? Special Tools?**

Principally, the only tool necessary for the wall itself is a rubber mallet or hammer. With the use of our block, no nails, glue, or mortar is used for connecting the blocks together. The walls lock in place using the integral dovetails and posts/receivers.

**11. What about cutting the blocks to different lengths?**

Lok-N-Blok is designed to be cut into segments of three inches. The blocks have cut lines designed into them, and allow full interconnectivity when the cut is made. Features built into the design will leave you with a female dovetail connection when the block is cut along those lines.

**12. What color choices are available with Lok-N-Blok?**

The initial general purpose structural block is charcoal gray in color. Due to our desire to make the block UV resistant, we have added carbon black to our material. That additive creates the dark color of the block. The company is rapidly working on finding an additive that is economically feasible to provide UV resistance while allowing us to produce product in any custom color you could imagine. If, however, you are building a structure that will be entirely clad, and you don't require UV resistance, custom colors would be immediately available.

**13. Is there a fire rating on the block?**

At present, we are using a V2 rated composite material which means that the burning stops within 60 seconds after the ignition source is removed. The company recognizes the need for a flame retardant block, and is working to provide that in the future.

**14. Will Lok-N-Blok pass building codes?**

Yes it will. Tests have been conducted to prove the strength of our product, and upon completion of the final testing by an independent testing lab, we will be submitting our test results and design criteria to the International Code Council (ICC) Evaluation Service for approval.

**15. Will insurance companies insure Lok-N-Blok buildings?**

In the same manner insurers cover wood frame construction among other conventional forms of construction, there should be no hindrance in the market from utilizing Lok-N-Blok, especially once the ICC certifies the product for use.

**16. How does Lok-N-Blok costs compare to conventional walls of wood or concrete blocks?**

It is difficult to answer that question on a block by block basis to make a comparison to other materials. You must look at a total installed overall cost of a constructed wall. Side by side comparisons of construction time needed show a 50% savings in time over wood framing, and an 80% time savings over concrete block walls. Given our wall merely stacks, and interlocks together, a wall built with Lok-N-Blok is ready for interior and exterior cladding the minute you are completed. No additional insulation work, no house wrap or sealing. It is expected a completed wall ready for finish goods will be equal in cost to wood framing.

**17. Have any spec building been built yet?**

No – we have not constructed anything yet that would be required to have building code approval. We have however, identified many markets that would be open to using our product without building code approval and are working to market into those areas.

**18. Where can I get more information about Lok-N-Blok?**

We are socially present through twitter, Facebook, Instagram, LinkedIn, and maintain our own website at [www.Lok-N-Blok.com](http://www.Lok-N-Blok.com). Through these channels, you can watch and follow what is taking place in the company, and reach out to us for more detailed information.