

# SUSTAINABLE CHAIR

We don't usually stop and think about the impact of the things we use every day. Chairs, for example, use items like wood, staining chemicals, and nails. While these materials are used frequently in construction projects, they can be harmful to the environment. Wood Stain and finish are often made using synthetic solvents like resin or turpentine, which can be very harmful when released into the environment or not disposed of properly.

Our sustainably designed chair is much closer to a timber frame design, just using different materials. Our chair design uses only one material, Foam Board. This allows us to easily design, cut, and assemble our chair without the use of fasteners like, screws, glue, or tape.

**“Quality is not an act, it is a habit”  
- Aristotle**



Strong  
Sustainable  
Design



## OUR STORY

We were tasked with creating a chair that was sustainable and able to be sat on. In this case, sustainability meant using only foam boards. So no glue, no fasteners, just the boards themselves. But how do you design a chair that is only made of one material *and* meant for sitting?

By designing our chair to utilize an interlocking mechanism for the four legs, we were able to successfully support the weight of the individual using our chair. Each leg comes in two pieces and is cut in a way that allows them to interlock in an 'X'. This causes a great amount of structural integrity, even with our relatively weak foam board material.

Our chair has four legs, a seat, and two lateral support beams to help support weight and offload some of the force being placed upon our chair. If we only went in with a seat and legs, the chair would eventually break from the weight and stress. By adding lateral supports, we offset some of that weight and stress and distribute it more evenly. This allows our chair to get more use.

## OUR PRODUCT QUALITY

Here, our company (group) is dedicated to delivering top-quality designs that guarantee client satisfaction. Therefore, when you choose us, you can rest assured that your project is in good hands. How can we ensure all that to you? Here, the key components we focus on are:

1. Durability
2. Reliability
3. Performance
4. Safety
5. User-friendliness



## WHY CHOOSE US?

Because we're the best! Our goal with our chair is to earn your trust and win you over, as a group. With several months of experience, we have the tools to help *you* improve your life.

Together, we collaborated to design a chair that would suit *your* needs, and in doing so, our skills continued to develop, making us an even more formidable force for the projects we will undertake next.

Why? Because your comfort is our comfort.