

Architects Chair Project Concepts

This chair is a modern take on a rocking chair. With its curved bottom to allow it to rock smoothly back and forwards.

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A material that you could use to make a rocking chair would need to be not too heavy as it would smash when rocking, or if it was too light a material it would fall over or not support the full rocking. So could be made from a durable plastic that can be curved into the shape.

To stop the chair from rocking right over, you could place some heavier plastic in the bottom to stabilise it. With keeping the rest hollow.

The three drawings below are taken through the blue-line box to show a cut through of the centre of the chair.

Architects Chair Project Concepts

This chair when closed appears as a concrete block created and broken.

The exterior is hard, rough and dark in contrast to the interior which is soft and warm.

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The two separate pieces the chair and the footrest are hollow so that between the gaps in the leather legs are close to see the construction and form of the cube corners. Though the exterior sides are dark in colour when the light enters the inside with also the light leather it is a comforting warm soft colour.

The material concrete when I have used is a material that Ando and his design styles Minimalism & Modernism use. It is a strong, versatile material that can have many different textures and colors.

For this chair I think the concrete would be placed on the outside and roughen the inside so you can see the rough through the soft leather strips.

Architects Chair Project Concepts

This concept is a modern bean bag shape with cut out windows. Through these you can see the structure and design of the underside and circular base.

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This is an exploded view of the chair to show you how the components effect. The leg strips either end both the seat rim and the circular bottom ring.

The seat rim is curved to support your lower back and bottom. Unlike beanbags which are hard to get out of, this chair has a hard ring that catches the legs to the seat and this is strong to push yourself up out of.

Architects Chair Project Development

This chair could be used indoors as a bench seat at the table, or as a chair in the living room or outdoors as a porch bench or outdoor seating for a patio screen.

I have developed this chair into a more upright bean bag type seat for two people. I wanted to have the opposite proportions and see what this did to the ergonomics of the chair.

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This chair I think would be best made in a type of reinforced cast concrete that can be durable and strong. Ando and his design styles used alot of concrete to be a simple material that has a great impact as it looks clean and strong yet still comforting.

I felt that the solid curve of the chair was more suited to an upright chair as opposed to a lounge. As the curve forms to your back and would be easier to get comfortable on. Lounge chairs are usually made of softer material and this is a strong hard chair so it sits upright shape.

Architects Chair Project Development

I developed the chair into a one person chair as I felt there was a larger variety of ways to change a single chair. This chair with its curved bottom can rock like a funny modern style rocking chair.

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This design when I made it up with clay (and also paper in clay) they both had the same clearly and the corners of the chair were not sharp so the chair was not staying up right and would have rocked right over depending on the material used.

Ando's design style Minimalism is to strip back in this case the components of a chair to the vital most necessary bits. So I changed the bottom half so that it has no edges or feet but is a continuous curve.

Architects Chair Project Development

I made a model of this chair to be able to feel how it. I found that the back and seat would have to join with I had not modelled in any of my drawings. I also found that the back being so thin and comfortable away from the rest of the chair was not the strongest way.

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You can see this chair is simple on the top and back views. It is the composite of a chair as simply as possible.

This chair is from the idea of having one continuous sheet. But instead on the previous development was solid with a small cut out this developed into being one very thin sheet of some sort of plastic that is continuous and joins at the center of the back.

This chair is light minimal but still remains solid, robust and modern. The A shape back feels like the wings of some bird in flight. With the material that it's made with being thin and light this chair can be easily moved unlike the previous chairs made of heavier materials such as concrete. This chair could be made from rubbery moulded plastic.

Architects Chair Project Development

This chair has been developed from the previous chair by making the feet area at the front straight down. As to make it more comfortable to sit on with your feet on the floor.

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As you can see on the cutaway view the chair is hollow with two double layers giving it strength. This differs from the last chair as it was a single thin sheet.

Having the chair feeling solid makes it more incorporated with Ando's style. Also it being solid makes the user able to feel that they can get comfy and sit longer without breaking it.

To balance out the heaviness of the bottom half I will make the back higher than the bottom as to also make the back shape asymmetrical.

I experimented with the chair being the color blue but feel that it does not reflect the style and feel I want to convey so may keep the chair a natural grey.

Architects Chair Project Ergonomics

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This chair at my home was similar in size to my chair. The seat of the chair was 40cm by 40cm and it seems like a really enough size for everybody. The height of the seat above the ground was around 40cm and this height was good to have your feet on the ground without feeling too low. But I wanted my chair to have a higher back.