OpenDesign

INTERLACE

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product STOOL

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Opendesign Workshop

MATERIALS

black sponge

450mm*290mm*50mm 1 block

bamboo stick

Φ7mm*40mm 1 pieces
Φ4mm*40mm 1 pieces

Tip: When you choose to customize a block of sponge, it will get some **errors** in the size. What's more, if you choose a slight **bigger** sponge, it will provide some kind of friction to make itself fixed on the board.

It is an important material to make mortise structure.

MATERIALS

plybamboo

1220X2440X15mm 1 piece

here is easy to break

here is easy to break

here is OK

here is OK

key point: There are 4 types of plybamboo in the market.

side compression

flat compression

cross compression 1

cross compression 2

When you cut a notch in the board, if the direction of the notch is vertical with how the tendency goes in SIDE compression and FLAT compression, it is easy to get broken.

MATERIALS

plybamboo

1220X2440X15mm 1 piece

It's feasible for every direction in the way we cut the notch when we use CROSS compression1 or 2.

If you insist on using the way it is inclined to break, you can drill some deep holes where you can push some bamboo sticks. It is one of the structures of Mortise-Tenon.

MATERIALS

plybamboo

1220X2440X15mm 1 piece

As to the CROSS compression, they are comparative more resistant to the force applied in every place on the sureface.

TOOLS

electrodrill

Φ 4mm
Φ 7mm

circular Saw

CAUTION: When you use drills, whose diameter is up to and more than 8.5mm, it is easy to tear out some slices on the surface of plybamboo.

1,You should add this tool with a rail where the circular saw can move in parallel.

2,notice that the saw has its own thickness. Don’t get your board over cut.

TOOLS

driller

When using driller, make sure you are holding the driller **perpendicularly**.

Jig saw

Use to make mortise on board. Remember restrain the saw within and untouch the reference line when using it to prevent over cutting.

TOOLS

files

502 adhersive

in order to melt the fiber of safety rope together.

work the file vertically up and down or parallelly
back and forth. BE SERIOUS

TOOLS

set/T square

Two set of rulers can make it easy to draw parallel lines and perpendicular lines, which makes you work efficiently.

pencil&rubber

Draw reference lines.

TOOLS

Sandpaper

#180 / 320 / 500

to smooth the narrow edge, scrape out the taint.

sander

smooth the surface, polish out the taint on board.

broad knife

be used to spilt sponge.

small saw

be used to cut the bamboo sticks.

How to make this kind of board

Make sure every board accurate in holes, size before assembling them

PARTS MEASUREMENTS(mm)

these holes should NOT be made in the first progress.
they measurement is settled when being assembled.

ASSEMBLY INSTRUTION

intersect A&E

then plug with another E

trace the intersection line and
draw reference for holes

use drill to make 7mm holes on the
board A

reassemble
use small round file to amplify the holes

ASSEMBLY INSTRUTION

grab sticks to push into the hole one after another. If they can't be pushed in, back to use file to work.

add 502 adhesive to the edge of the hole to make sticks vertically in the hole and tightly stick to the surface of board E&F

drill holes in 4mm diameter as deep as you can

assemble with board C

ASSEMBLY INSTRUTION

drill bamboo sticks measured 8cm long into the holes

remove the sticks projected out of the board

use file to smooth the angle on top surface of B

ASSEMBLY INSTRUCTION

assemble with board B

cut the sponge, make it equally devided

put away the sponge

use file to make a groove, **2cm** width, **3mm-5mm** depth on board D

ASSEMBLY INSTRUCTION

put away board D

DONE after polishing