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PB4 (BL) PRO BUILD CLAMP KIT 4

Thank you for purchasing one of our Pro Build Kits.

Please check your kit contains the following:

- 11 x Blue RSJ uprights with pre drilled holes to tops
- 8 x Pre stressed concrete wall panels (3 sections tall)
- 1 x Base
- 2 x 3mm dia stainless steel rods 440mm long (for side walls)
- 1 x 3mm dia stainless steel rod 290mm (for back wall)

Before you start we recommend setting up a jig to make sure your build is straight and square – in Figure 1 you will see I have used a flat piece of board (approx 600mm x 450mm) and on that I have glued a second piece (approx 400mm x 180mm). Your jig and work surface must be 100% level as any unevenness will affect the quality of the build and may make the latter stages of your construction impossible (this is down to the fine tolerances the components are machined to).

Figure 1



The tools you will need are:

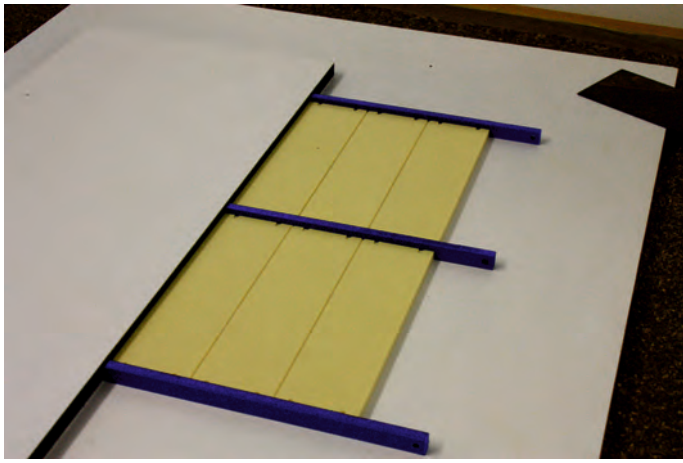
- 1) Super Shed Glue
- 2) A sharp craft with a new blade
- 3) An old tooth brush!
- 4) Carpenters square
- 5) Plenty of patience

Construction stage 1:



Figure 2

Carefully cut out the blue RSJ uprights from the matrix using your craft knife (Figure 2). Remove any small pieces of debris on the edges using your tooth brush (do not use sand paper – too harsh).



Line up your back wall comprising of 3 uprights and 2 prestressed concrete wall panels against the side of your jig as shown in Figure 3. Apply glue to the length of the uprights and gently push together keeping the whole assembly flat on the jig, leave for 5 minutes for the glue to set. Important: make sure your prestressed wall panels are the correct way up so that you can see the channel detail – otherwise your building will be inside-out!

Figure 3

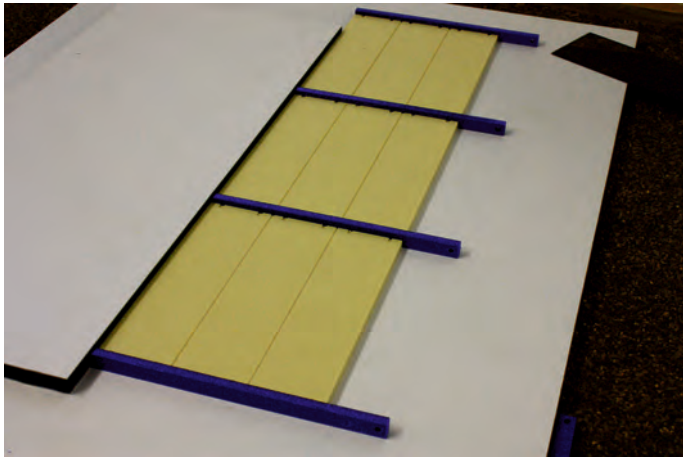
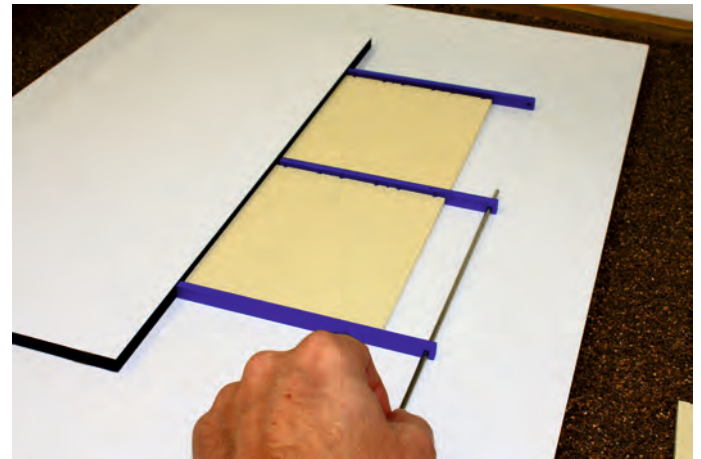


Figure 4

Do the same with the side walls, with each wall comprising of 4 uprights and 3 prestressed concrete wall panels. Remember to leave for 5 minutes for the glue to set. (Figure 4)

Figure 5

Insert the stainless steel rods to the back wall and to side walls as shown in Figure 5.



You are now ready to assemble the 3 walls together on the base. You must be very careful now to make sure your construction is completely square – ie the walls are square to each other and they sit square on the base. You can do this by firstly gluing the back wall to the two side walls using the raised part of your jig as a guide, once you are happy the walls are at perfect right angles, leave for 5 minutes for the glue to set. Then slide the base underneath and apply a few spots of glue to the bottom of the blue uprights to create a rigid construction.

Figure 6

You will need to be quick with any final adjustments at this stage as the glue bites very quickly! Important: make sure your prestressed wall panels are facing the right way so that you can see the channel detail from the outside of the clamp. **Job done!**

PS: Some warm soapy water may now be needed to get that hardened glue off your finger-tips!

Any problems please call us – we carry a full range of spare parts if required and very happy to chat on the phone if you would like to go through the construction stages before you commit to your pro-build.

Kind Regards

Paul

Owner – Brushwood Toys