PO242 OO TUNNEL ENTRANCE

SHEET 1

To construct this kit you will need the following:

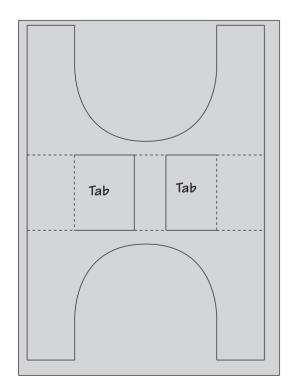
- 1. A Modellers knife.
- 2. A pair of sharp pointed scissors.
- 3. A steel ruler.
- Glue UHU Clear Adhesive or Bostik Clear Adhesive are best. Make sure you get the tubes with the narrow nozzle for easy application.
- 5. A cutting surface ''
 a sheet of card or a cutting mat.
- 6. Tweezers to hold the smaller components

READ THROUGH ALL THE INSTRUCTIONS BEFORE YOU START. This is complex kit that requires particular attention to fine details.

Each component is fastened to the sheet by means of a score line. These are cut lines that have only gone about three quarters of the way through the card.

To detach each component from the sheet, locate the score line that is holding it in place (these are clearly marked with blue arrows) and carefully run the point of your knife along the scoreline and the item will come seamlessly away. CAUTION - be very careful when running the point of your knife along these score lines. It is easy to run out of the groove and cut something you shouldn't.

GREY CARD SHEET '1'



Your Work Surface



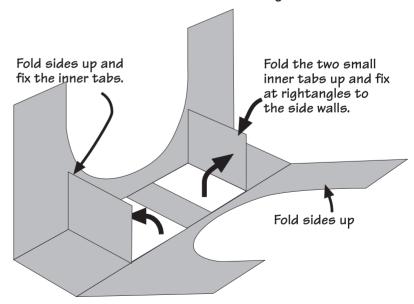
Keep it tidy. When you have extracted components from the sheet, place them neatly to one side, FACE UP so you don't loose them. TAKE CARE WITH EXTRA SMALL COMPONENTS PLACE MULTIPLES IN PILES TOGETHER. DON'T THROW ANYTHING OUT. Offcuts can come in handy for bracing etc. and it also reduces the risk of accidentally throwing anything away.

CHECK LIST This kit pack should contain the following:

- 2 x SHEET A Tunnel Mouth printed components.
- 2 x GREY Sheet '1' with main tunnel strengthener.
- 2 x GREY Sheets '2' with various strengtheners.
- 2 x SHEET B Tunnel inner walls.
- 1 x A3 INSTRUCTION SHEET 1 (this sheet).

Fig. 1. GREY CARD '1' INNER ARCH FORMER.

There are two identical inner arch formers, one for each tunnel entrance. These fold and glue to form a rigid inner chassis to hold the whole structure together.



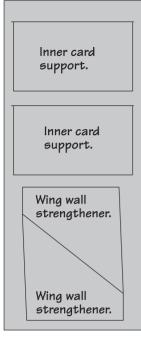
Start with the inner arch formers.

The two tabs fold up at rightangles to the base (top when its turned over later on). Put spots of glue on the edges of the tabs and fold up and fix the side walls to them, hold until fast.

GREY CARD SHEET '2' Fig. 2

Fig. 2.

Fix the two inner support cards (located on grey sheet '2') so they fit flush to the tunnel sides.



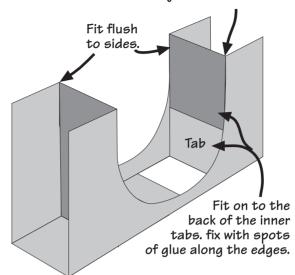


Fig. 3. ARCHED INNER ROOF & WALL SECTION (SHEET 'B').

This looks as though it could be difficult, but it's not - BUT BE CAREFUL. Cut along the back edge of the inner wall to release from the sheet. Next, fold back all the little grey tabs along the edge.

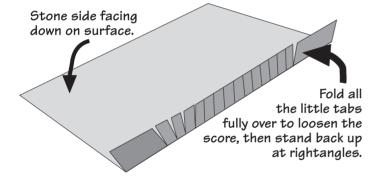
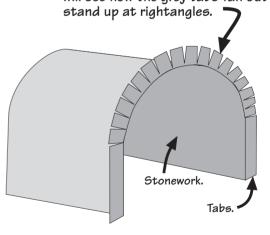
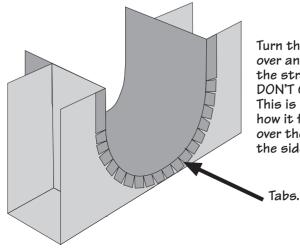


Fig. 4.

Curve the card into an arch, and you will see how the grey tabs fan out and stand up at rightangles.

FITTING THE ARCHED INNER ROOF & WALL SECTION.





Turn the arched brick roof over and push down inside the strengthener unit. DON'T GLUE YET This is so you can see how it fits with the tabs folded over the outside of the side wall.

Fig. 6. APPLY THE GLUE.

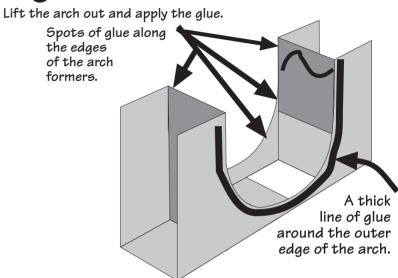
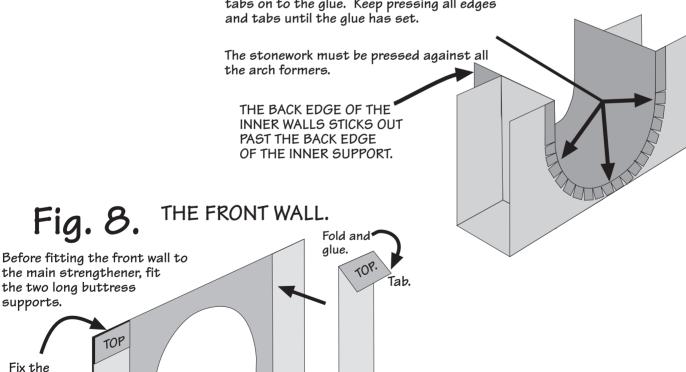


Fig. 7. FIT THE ARCH BACK IN.

Before the glue has a chance to dry, drop the arch back in so it sits in the same position that you had it in Fig. 5. then push the arch against the formers and fold the tabs on to the glue. Keep pressing all edges and tabs until the glue has set.



The two yellow buttress supports each have a tab at the top that folds over and glues to itself to make a double thick portion which is fixed to the front wall at the top edge.

supports to the front wall flush to the sides and the top. Fig. 9.

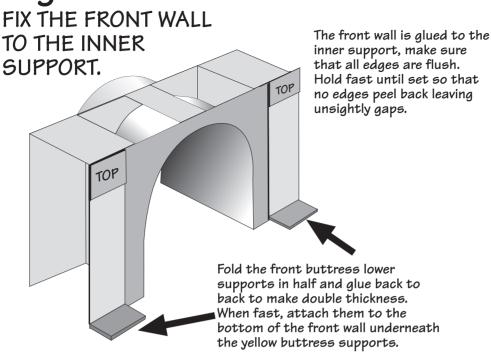


Fig. 10. FIX THE BUTTRESSES.

