PO242 OO TUNNEL ENTRANCE

SHEET 1

To construct this kit you will need the following:

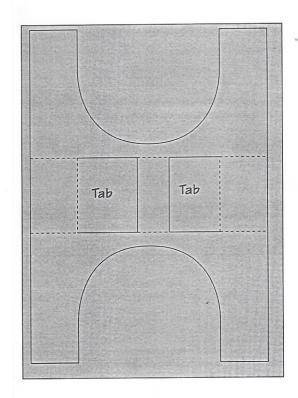
- 1. A Modellers knife.
- 2. A pair of sharp pointed scissors.
- 3. A steel ruler.
- Glue UHU Clear Adhesive or Bostik Clear Adhesive are best. Make sure you get the tubes with the narrow nozzle for easy application.
- 5. A cutting surface a sheet of card or a cutting mat.
- 6. Tweezers to hold the smaller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

A clean flat working area

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.

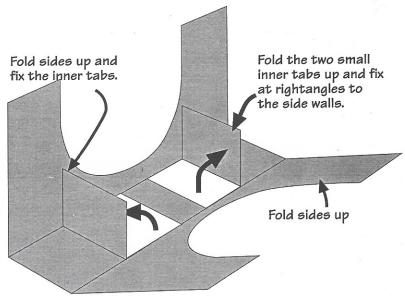
NOTE: If you are using UHU clear 20ml tubes, you will need two of them to build this kit.

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.
- $1 \times A3$ 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.

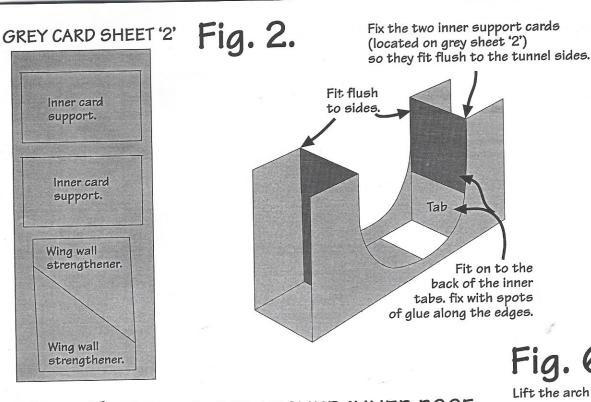


Fig.

This looks Cut along Next, fold

Stone side

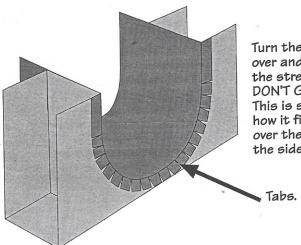


Lift the arch out and apply th

the edges of the arch formers.

Spots of glue along

Fig. 5. 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. 9.

FIX THE FRONT WALL
TO THE INNER

SUPPORT.

TOP

Following back with booth the booth boo

THE FRONT WALL. Fold and glue. Before fitting the front wall to 10P. the main strengthener, fit Tab. the two long buttress supports. TOP Fix the supports to the front wall flush to the sides and The two yellow buttress supports the top. each have a tab at the top that folds over and glues to itself to make a

double thick portion which is fixed to

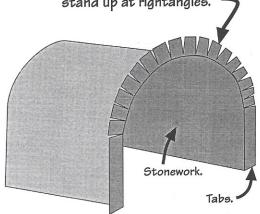
the front wall at the top edge.

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

is though it could be difficult, but it's not - BUT BE CAREFUL. he back edge of the inner wall to release from the sheet, ack all the little grey tabs along the edge.

Fold all the little tabs fully over to loosen the score, then stand back up at rightangles.

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



THE GLUE.

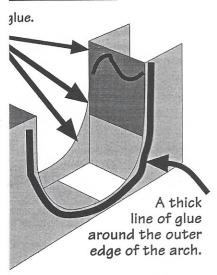
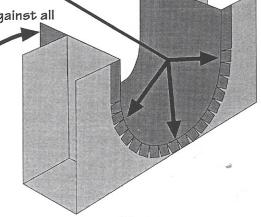


Fig. 7. FIT THE ARCH BACK IN.

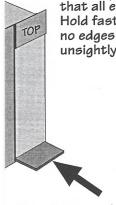
Before the glue has a chance to dry, drop the arch back in so it sits in the same position that you had it in Fig. 5. then push the arch against the formers and fold the tabs on to the glue. Keep pressing all edges and tabs until the glue has set.

The stonework must be pressed against all the arch formers.

THE BACK EDGE OF THE INNER WALLS STICKS OUT PAST THE BACK EDGE OF THE INNER SUPPORT.



The front wall is glued to the inner support, make sure that all edges are flush. Hold fast until set so that no edges peel back leaving unsightly gaps.



le front buttress lower rts in half and glue back to o make double thickness. ast, attach them to the n of the front wall underneath low buttress supports. Fig. 10. FIX THE BUTTRESSES.

There are two buttr

There are two buttresses, 'left buttress' and 'right buttress'. Study them carefully and you will notice that the side walls have different widths.

The buttress sides fold around and fit on the edges of the yellow buttress supports, with the wider buttress sides fixing on to the outer edges of the main structure.

The narrow edge folds around and fits against the inner side of the yellow buttress support.

The wider side wall of this (left) buttress folds around and fits directly on to the ends of the front and strengthener wall.

