

PN190 N Scale Timber Framed Shop

INSTRUCTION SHEET GLUES

UHU Solvent Free All Purpose Adhesive Glue

Works superbly well in our fine glue applicators. Dries quickly, but allows time for positioning of kit parts as described further on in the instructions.

Also Deluxe Materials 'SPEEDBOND'
A fast drying PVA.
see www.deluxematerials.com

GETTING STARTED

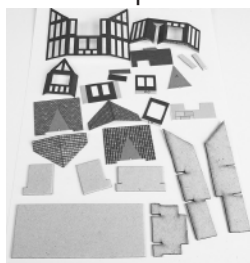
1 EXTRACTING COMPONENTS FROM THE BASE SHEETS.

To stop the components from falling off the sheets, they are held secure with score lines. These are cuts that only go about 75% of the way through the card.

To release them run the point of your knife along these score lines and they will come seamlessly away. These score lines are marked with blue arrows: WARNING, Cut with care using a knife that is not too sharp, this will reduce the risk of the blade running off the score and cutting the components.

2 MAKE YOUR 'BUILDERS YARD'.

As you extract the components from the base sheets they need to be kept away from your working area on a thick piece of card or a tray until needed.



Example of builders yard showing the parts for Building A.

**To avoid confusion keep the
Building A & B parts separate.**

These are colour coded.

Green = Building A

Purple = Building B

CHECK LIST

This kit should contain the following:

- 1 x SHEET A. Printed kit parts.
- 1 x STRENGTHENER. plain grey sheet
die cut inner parts
- 1 x STRENGTHENER. plain grey sheet
laser cut inners
- 1 x BROWN card with laser cut parts
- 1 x GLAZING sheet.
- 1 x Ridge tiles card.
- 1 x INSTRUCTION BOOKLET.

READ THROUGH ALL THE INSTRUCTIONS BEFORE YOU START.

This is a complex kit that requires particular attention to detail, so proceed with care!

To construct this kit you will need the following:

- 1. A modellers knife.
- 2. A pair of sharp scissors.
- 3. A steel ruler.
- 4. Glue - See *glues*.
- 5. Ultra Fine Tip Glue Applicator, see below.
- 6. A cutting surface -
a sheet of card or cutting mat.
- 7. Fine point tweezers.
- 8. Water colour paints and a very fine
brush for painting edges and corners.

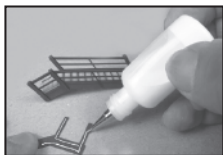
METCALFE

Ultra Fine Glue Tip Bottles.

These bottles are essential for gluing the smaller components in this kit.

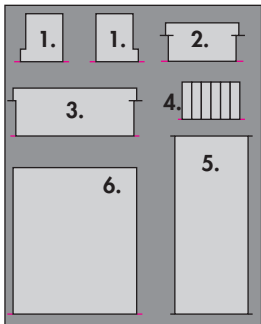


Tiny strips and spots of glue can be accurately laid down with precision.



3 PLAIN GREY STRENGTHENING CARDS

These cards contains the bits that fit inside the kit to strengthen and hold it together. They are identified here with numbers and a key below.



Building A

Key to components:

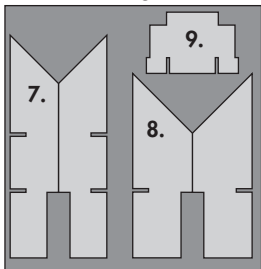
1. Dormer Supports
2. First Floor
4. Display Former (x2)
5. House Back
7. Side Walls
9. Dormer Floor

Building B

Key to components:

3. First Floor
4. Display former (2x2)
6. House Back
8. Side Walls

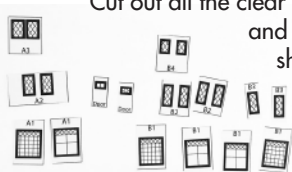
Die Cut Strengtheners



Laser Cut Strengtheners

4 GLAZING

Cut out all the clear glazing components and place on a separate sheet of white card so they don't get lost.



5 PAINTING CORNERS & EDGES.

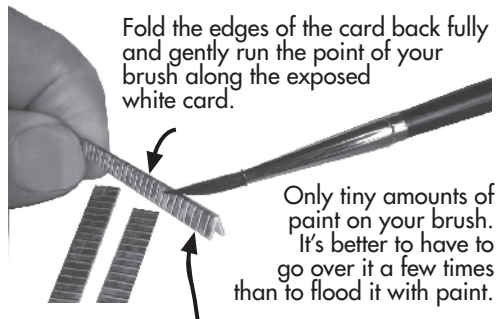
The white card that shows on the corners and edges is best painted **before you build the kit**. All you need is a simple set of water colour paints and a fine brush.

Something like this set of 'Reeves' watercolours or even simple child's watercolours.

As long as it contains a warm red, a brown and black, you will be able to match the colours in this kit.



Mix your colour with lots and lots of water, apx. 1 part paint to 5 parts water or more. **TEST ON WASTE CARD FIRST UNTIL YOU HAVE THE CORRECT SHADE & COLOUR.**



Paint the outer edges too.

Before the paint dries, run your finger along the edge to rub the colour into the absorbent white card.

Then wipe away any paint that has run onto the printed surface before it dries.

Remember, you only need to just slightly tint the card with a little colour.

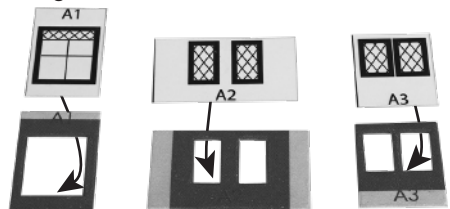
DON'T paint a thick solid line down the edges, you will only make it look worse.

LETS START TO BUILD!

Fig. 1. WINDOWS

Start by matching the glazing to the window frames. Notice the same code on the glazing and the corresponding frame.

Windows A - for building A and B for building B.



Note that the A1 & B1 windows have a choice of 2 styles to choose from.

Now put the completed windows to one side until needed.

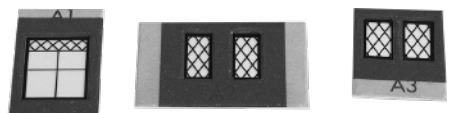
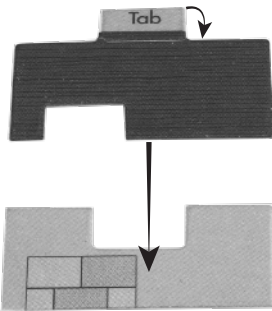


Fig.2. BUILDING 'A' BASE

Fold back and glue the green tab flush to the back of the 'wooden' floor.



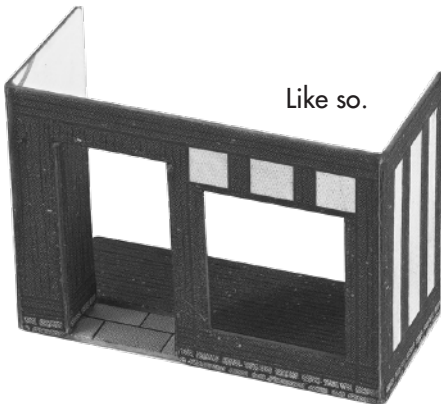
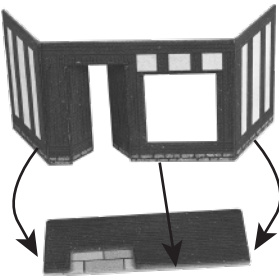
This tab then slots into the space on the 'paved' floor.

Glue the bases flush together.

Now wrap Building 'A' Lower Wall around the base edge.

Carefully fold the instep walls to the doorstep sides.

Test the fit before gluing.

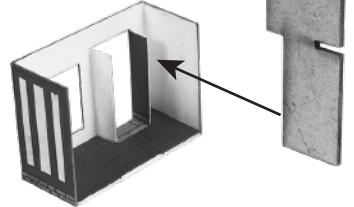


Like so.

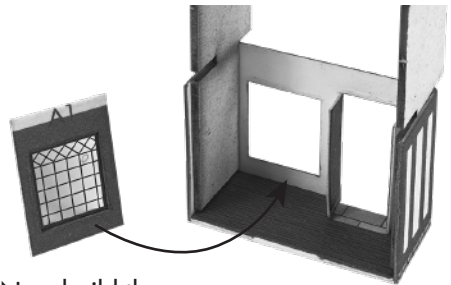
Fig.3. BUILDING 'A' GROUND FLOOR

Once the base has set into place, add the 2 side walls (labelled 7 on strengthener key)

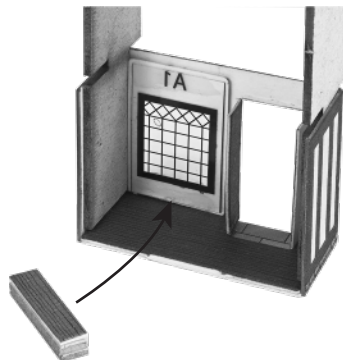
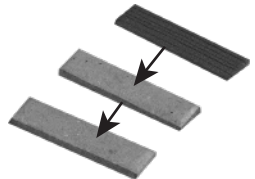
These fit flush against the front wall, tight into the corners, leaving a 1mm space at the rear. (This is for the house back later)



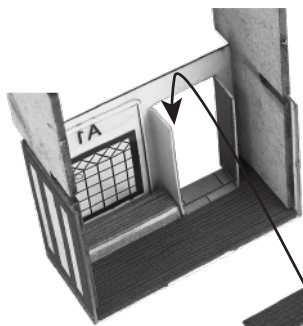
Next align the A1 window frame (with glazing) flush to the shop window and glue into place.



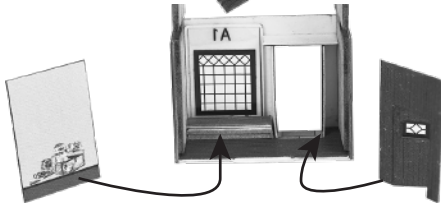
Now build the window display counter. Glue 2 display formers flush together then add a counter top.



Glue the complete counter flush against the base of the A1 window.



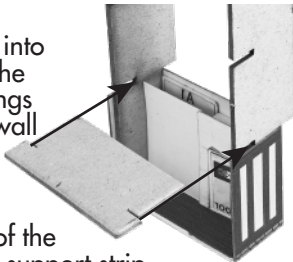
Next, the door ceiling needs to be added. Glue this face down on top of the inner door walls (the printed side facing the pavement).



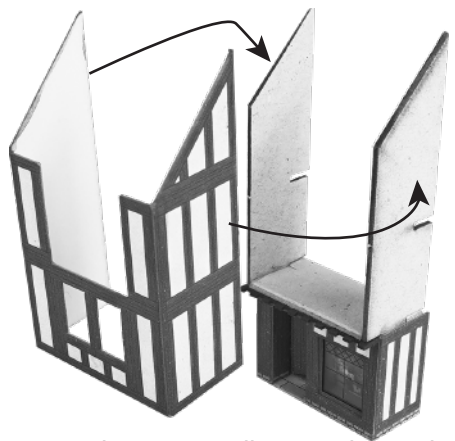
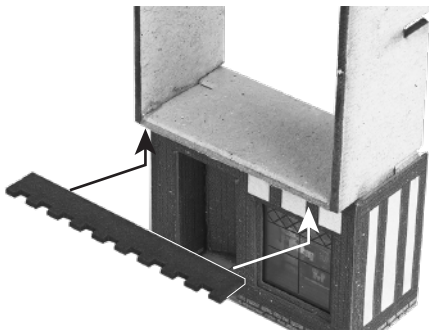
Finally add a window display to the counter base with the brown tab flush against the counter top (see fig.10 for displays). Then add a door into position.

Fig.4. BUILDING 'A' FIRST FLOOR

The first floor strengthener slots into the side wall via the tabs, and overhangs the ground floor wall and window.



To the underside of the 'overhang' add a support strip from the brown laser cut sheet. position central and flush to the ground floor wall.



Next wrap the upper walls around the side wall strengtheners and have the front resting on the laser cut support strip.

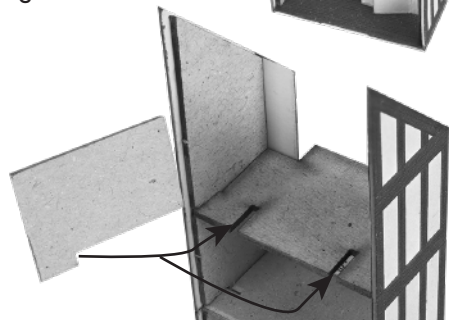
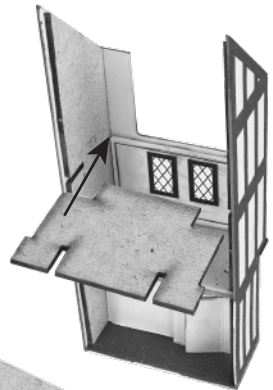
Carefully align and glue into place A2 window frame.



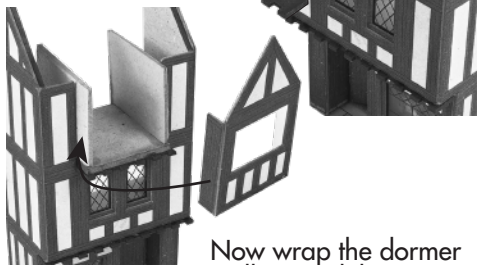
Fig.5. BUILDING 'A' DORMER

Next the Dormer floor strengthener. This slides into the side wall slots like the previous floor.

Now add the 2 dormer supports. These slot upright into the rear slots on the dormer floor strengthener.



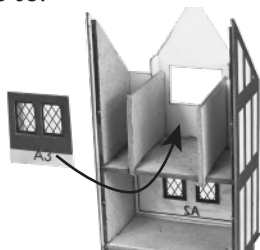
As the previous floor, add a laser cut support strip to the underside of the overhang.



Now wrap the dormer wall around the strengthener floor and support walls. Resting the wall on top of the support strip.



Like so.



Lastly align and glue into place the A3 window frame.

Now add the dormer roof flush to the dormer roof former.

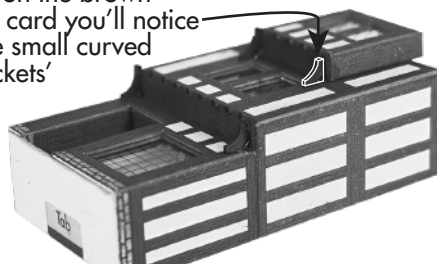


Next glue together one large and one small barge boards from the brown laser cut card. The smaller one acts as a spacer.



Glue the barge boards flush to the underside of the dormer roof with the larger barge board facing outwards.

Also on the brown laser card you'll notice some small curved 'brackets'

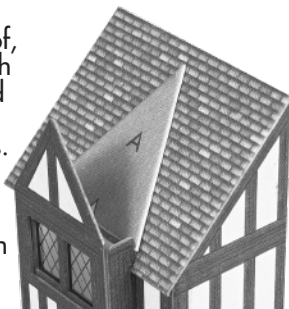


These fit as supports underneath the overhangs. Apply very small dabs of glue and use tweezers to position them.

Fig.6. ROOF & FINISHING TOUCHES

Add the main roof, this lines flush with the side walls and 'straddles' the dormer side walls.

Then add dormer roof former 'A' centrally and flush to the back of the dormer walls and glue into position on the roof.



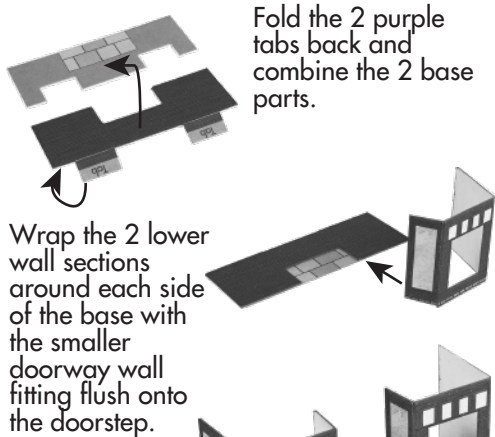
Like so.



Lastly add the house back. This slots flush against the inner side wall strengtheners and on top of the base.

Fig.7. BUILDING 'B' BASE

The construction of this building is very similar to Building A so the instructions involving similar construction will be brief.



Like so.

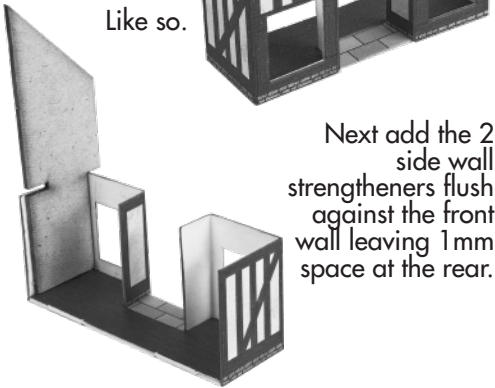
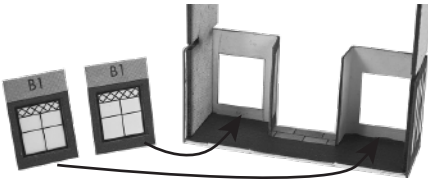


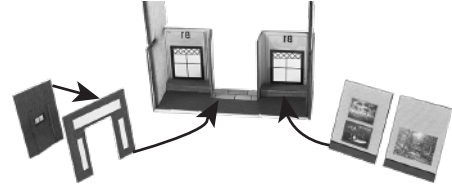
Fig.8. BUILDING 'B' GROUND FLOOR



Add the 2 windows (B1) to the lower wall sections.

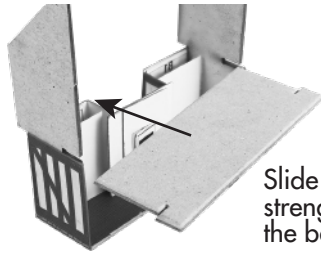


As before combine the 2 display formers with the counter top and glue flush against the inside of the window.



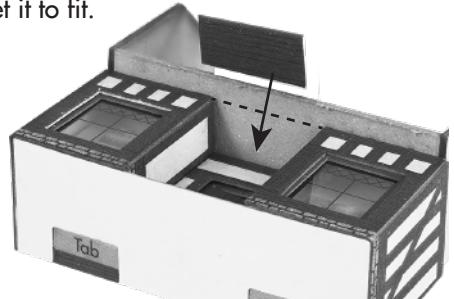
Add the window displays (see fig.10) then combine a door to the building 'B' centre wall and glue into place.

Fig.8. BUILDING 'B' FIRST FLOOR



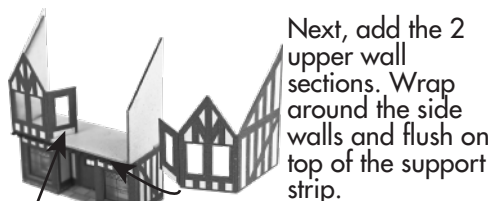
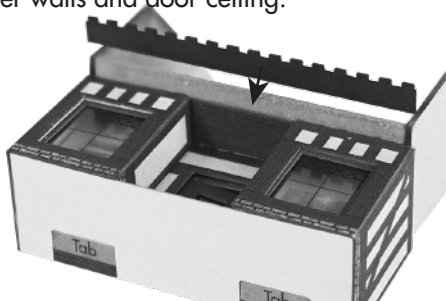
Slide in the first floor strengthener keeping the back edges flush.

Now slot the Building 'B' Door Ceiling up flush to the centre wall (door) section. Test the fit, you may need to trim one edge to get it to fit.



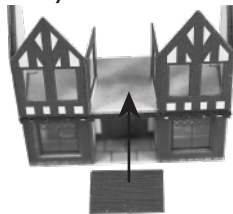
Make sure the ceiling does not extrude past the lower wall sections - shown by the dashed line.

Now add the brown laser cut support strip to the underside of the overhanging strengthener. Position flush against the lower walls and door ceiling.



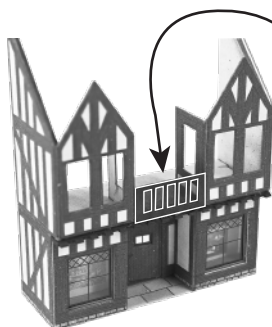
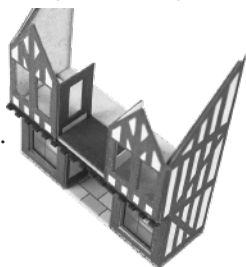
Next, add the 2 upper wall sections. Wrap around the side walls and flush on top of the support strip.

Leave the inner window sections unglued until you fix the balcony floor.



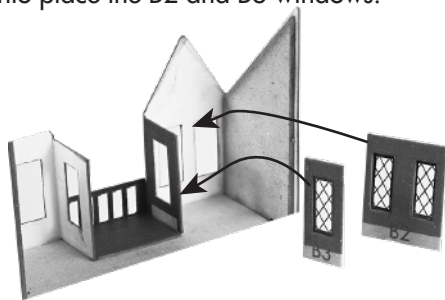
Fit the balcony floor section, keeping the front edge flush to the underlying strengthener edge.

Like so.

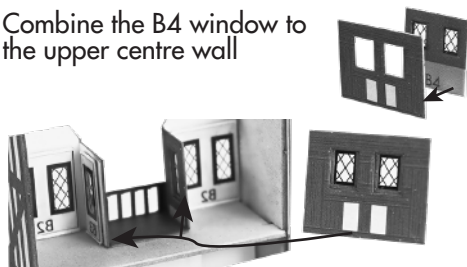


Now glue the laser cut brown balcony rail flush to the combined edge of the balcony floor and strengthener and resting on top of the support strip.

Next the windows. Carefully align and glue into place the B2 and B3 windows.



Combine the B4 window to the upper centre wall



Then fit flush against the balcony floor and walls.

Lastly glue the balcony ceiling face down over the walls and rear centre wall.

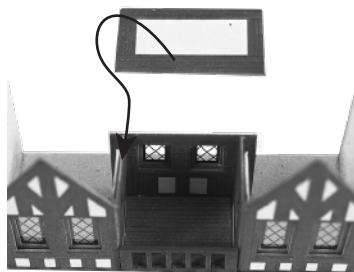


Fig.10. SHOP WINDOW DISPLAYS

Carefully cut along the black lines. Then attach to countertop along the brown strip

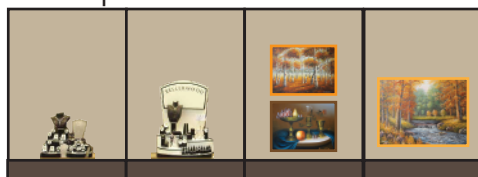
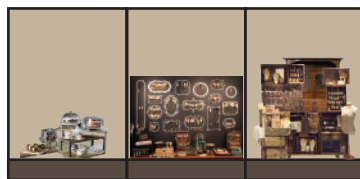


Fig.9. BUILDING 'B' ROOF

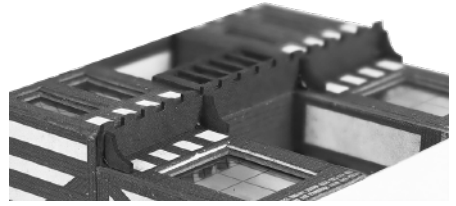
Align and glue the roof flush to the side walls and to the dormer wall sections.



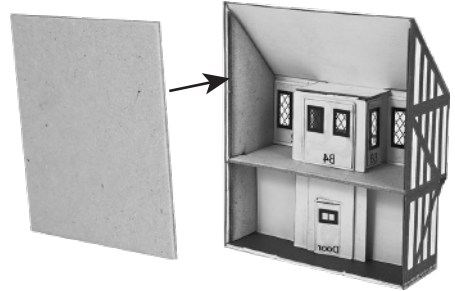
Then centre and glue into place the dormer roof formers labelled B



Add the dormer roofs and the barge boards like before.



Carefully add the laser cut support brackets with your tweezers.



Then affix the house back flush against the side strengtheners and resting on top of the base.

Finally add some ridge tile strips to the dormer roofs and half a strip to the main roof edge.

