

# PO257 00 Scale Grange House

## CHECK LIST

This kit should contain the following:

- 1 x SHEET A House walls etc.
- 1 x SHEET B Roofs and inner parts.
- 1 x Grey Card Strengtheners
- 1 x GLAZING SHEET.
- 1 x ROOF RIDGE TILE SHEET.
- 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:

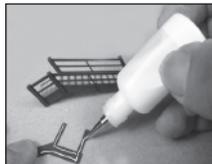
1. A modellers knife.
2. A pair of sharp scissors.
3. A steel ruler.
4. Glue - See glues.
5. Ultra Fine Tip Glue Applicator, see below.
6. A cutting surface - a sheet of card or cutting mat will do.
7. Fine point tweezers.
8. A magnifying glass on a stand is helpful for fitting tiny components.
9. Watercolour paints and fine brush.
10. Bulldog clips or clothes pegs are good for clamping whilst glue sets.

## METCALFE Ultra Fine Tip Glue Applicators.

These bottles are essential for gluing the smaller components in this kit. Code MT907



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



# INSTRUCTIONS

## GLUES

UHU Solvent Free All Purpose Adhesive.  
Also SPEEDBOND by Deluxe Materials.  
see [www.deluxematerials.com](http://www.deluxematerials.com)  
All work in our Ultra Fine Tip Applicators.

## GETTING STARTED

### 1 EXTRACTING COMPONENTS FROM THE BASE SHEETS.

To stop the components from falling off the printed sheet, they are held secure with score lines (marked with blue arrows) that cut about 75% of the way through the card. To release them run the point of your knife along these scores and they will come seamlessly away.

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.

Extract all the components from the printed sheets and the grey strengthener sheet.

### 3 Painting Corners and Edges.

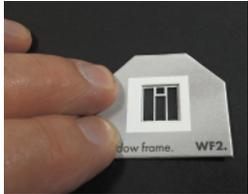
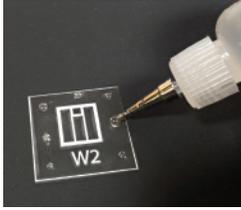
The ridge tiles are the only things that need any touching up in this kit. Simple water colour paints like these here are good. When mixing colours water down a lot and only apply a small amount of paint at first. Too much can spoil the effect. Always test on waste card first.



## 4 Glazing and Window Frames.

Cut out all the plastic window glazings and then attach each one to the back of its corresponding window frame - ie. W2 to the back of WF2 as shown here and so on.

Place tiny spots of glue around the edges of the glazing with your fine tip glue applicator.



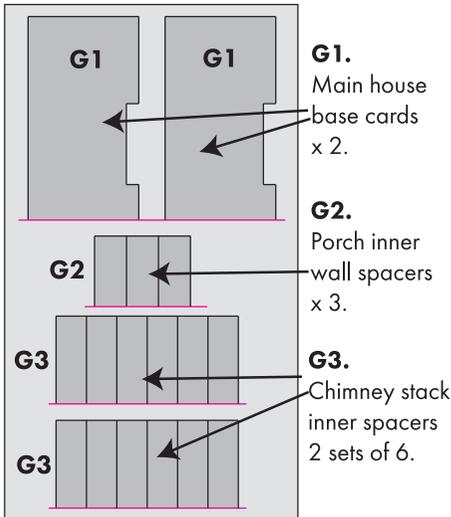
Then place the window frame on top with the glazing positioned in the centre of the opening.

Repeat with all the other windows and doors.



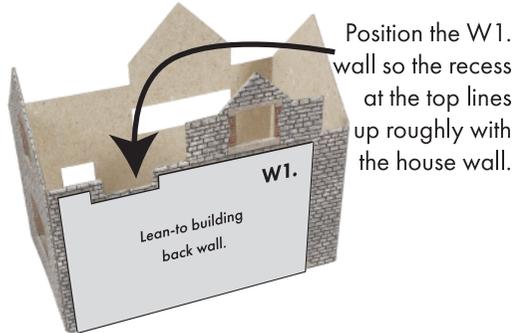
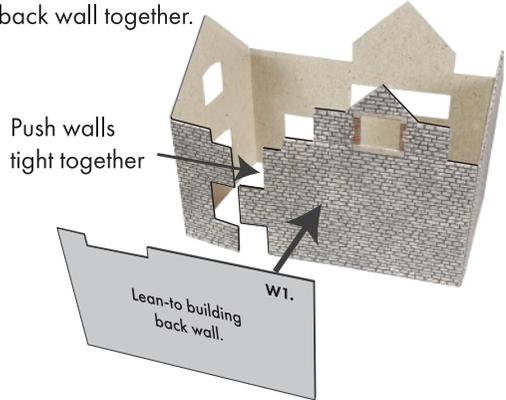
Note: The double doors glazing needs cutting in half. To open the doors, score the dotted lines.

## 5 Grey Card Strengtheners.

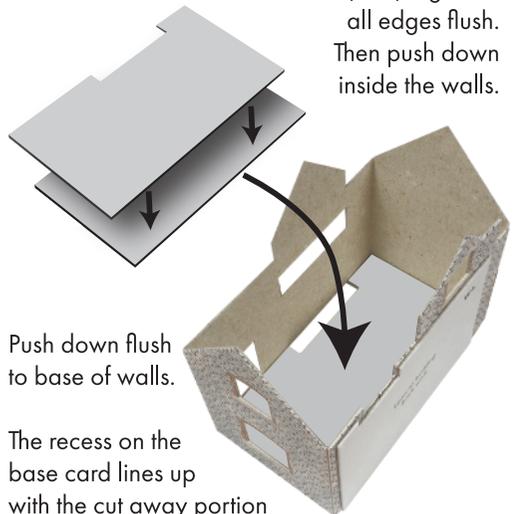


## 6 Main House Walls.

Fold the walls around so the two sections of the back wall meet. Fix the 'lean-to' back wall against it and push the interlocking parts of the back wall together.



Glue the two house base cards (G1.) together all edges flush. Then push down inside the walls.



The recess on the base card lines up with the cut away portion along the wall base.

Make sure the base card is pushed down tight all the way around, then place a few tiny spots of glue along the edges.

Fix the inner wall W2. against the back wall.



Fix down onto the base card.

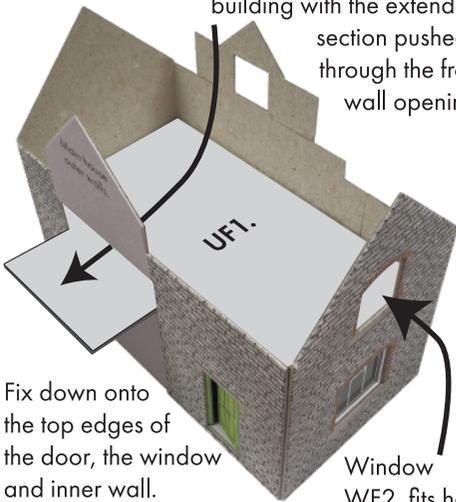


Fit window WF1. to the downstairs opening.

Don't fit the upper window yet.

Fit the door D1. Both door and window sit down tight to the base card.

Fit upper floor UF1. into the building with the extended section pushed through the front wall opening.



Fix down onto the top edges of the door, the window and inner wall.

Window WF2. fits here.

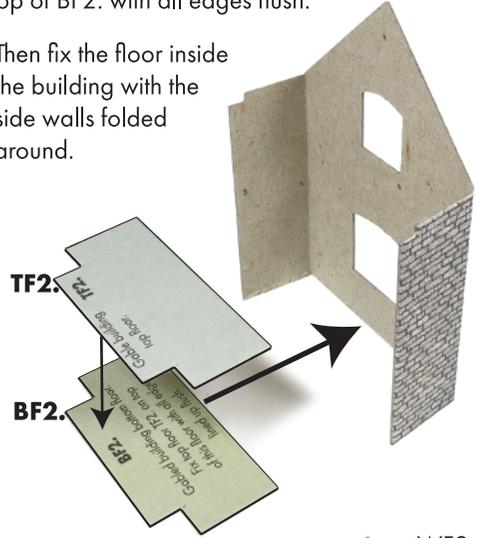
Fit window WF3. to the dormer window. Make sure side walls can fold in.



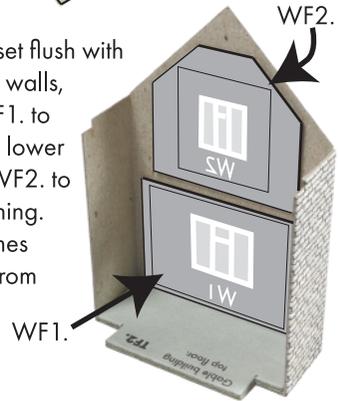
## 7 Gabled Building.

The small gable building fits against the front wall of the main house. Start by fixing the two floors together TF2. on top of BF2. with all edges flush.

Then fix the floor inside the building with the side walls folded around.

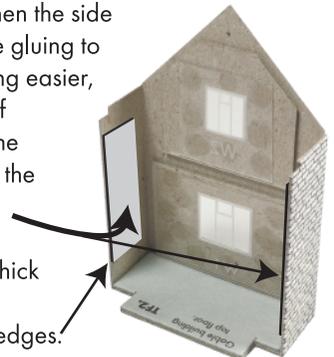


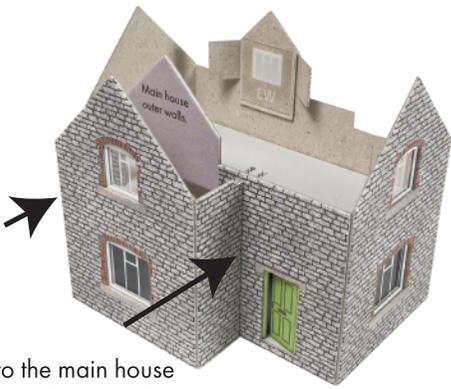
With the floor set flush with the base of the walls, fix window WF1. to the back of the lower opening and WF2. to the upper opening. Centre the frames when viewed from the front.



To help strengthen the side walls and make gluing to the main building easier, attach pieces of waste card to the inside edges of the two side walls.

Use bits of the thick grey card. Fix flush to the edges.

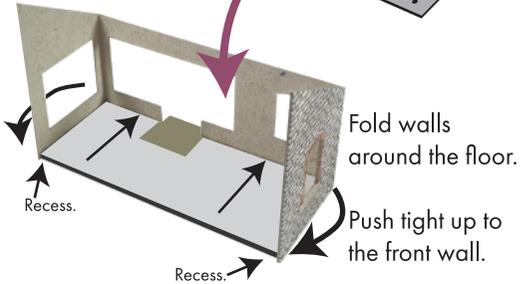
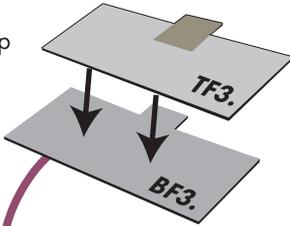




Fix to the main house with the floor tab slotted into the building.

## 8 Lean-to Building.

Fix floor **TF3.** on top of **BF3.**  
All edges flush

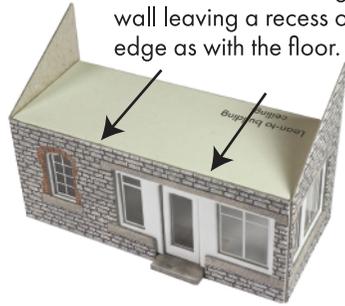


The floor is slightly shorter leaving a 1mm. recess along the back edge. This is to allow space for the back wall (**W1.**) when fitted to the house.

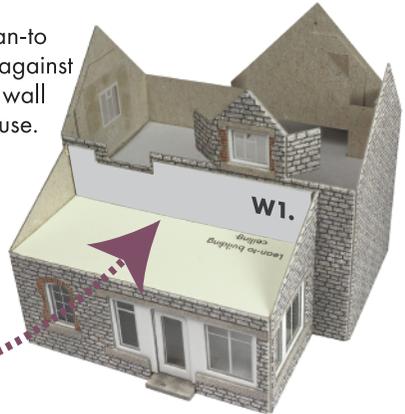


Fit the door **D2.**

The ceiling sits on top of the door and windows. Push tight up to front wall leaving a recess on the back edge as with the floor.



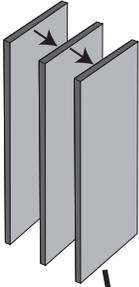
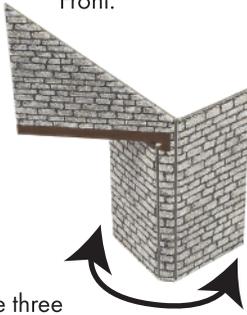
Fit the lean-to building against the back wall of the house.



## 9 Front Porch.

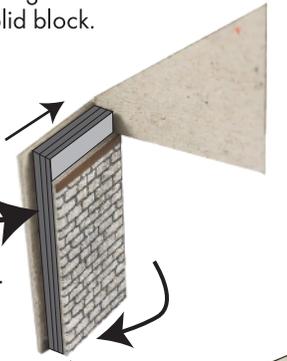
Front.

The porch walls fold around to form a thick wall.



Glue the three grey porch spacers G2. together to form a solid block.

Fit in between the two side walls. Push in to the end.

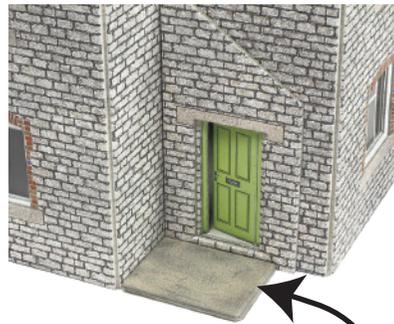


Note: This inner wall is shorter than the outer wall.

Fit the ceiling, sitting on top of the inner side wall and level with the front wall. This will hold front and side walls at right angle.



Fix the porch back wall against the house wall pushed into the corner.



Fit the two doorsteps one on top of the other pushed into the corner.

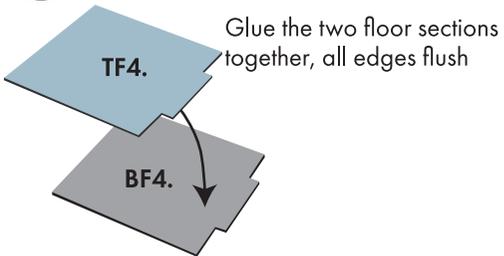


Fit the porch walls. Side wall up to the doorstep and back wall. The ceiling against house wall so the front wall above the door is stepped back a little from the front gable wall..

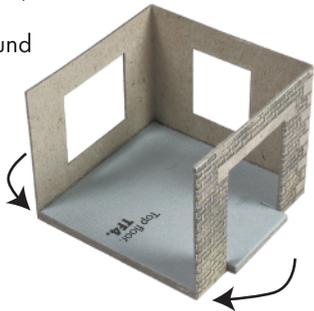


Finally, fit the roof.

# 10 Side Extension Building.



Fit the walls around the floor.



Floor sitting down flush with wall bottoms.



Fit door D3.

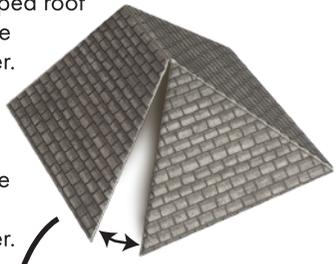


Fit windows WF7. & WF8. to their openings.  
Note: You may need to trim bases to fit, test first.

Fit the end wall flush to the edges of the walls and base.



The printed hipped roof sits on top of the blue roof former.



Place spots of glue all over the surface of the blue roof former.



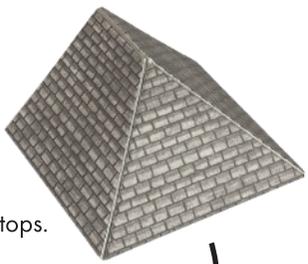
Fit the printed roof on top of the inner former and work the gaps together on both until closed



Viewed from inside see the gaps closed and both roofs fitting together so the inner roof sits directly up to the outer printed roof.

The printed roof overhangs on all edges.

When fixed to the building, the inner part of the roof sits directly on the wall tops.



Fix building to side of house before fitting the roof.

## 11 The Roofs.



Fit the main house roof.

You will need to cut a small nick in the top corner of the porch roof to allow the main roof to sit without bending. **TEST FIRST WITHOUT GLUE.** When you do glue it down, hold firmly on all points of contact to ensure it doesn't spring up



Once the main roof is fastened down, fit the gabled building roof. Again, hold firmly until glue has fully set.

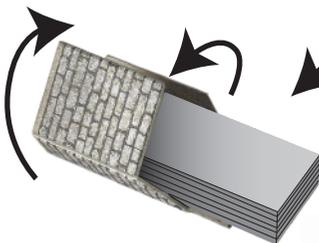
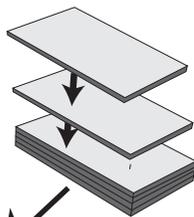
Fix the two small side wall on the dormer to the roof with tiny spots of glue.



Now carefully fit the dormer roof. The angled edges fit just above the cut away area.

## 12 The Chimneys.

Take 6 x **G3**. chimney stack inner spacers and glue them together in a block with all edges squared up.



Wrap the chimney stack around the block. Top edge flush with the inner block. Both chimneys fit together in the same way.

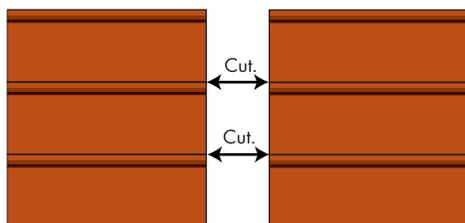
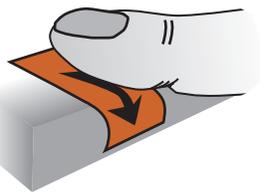


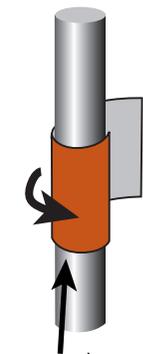
## The Chimney Pots.

Cut out the terracotta coloured strips (below) roll each one tightly around a metal rod to form a cylindrical shape.

Drill bits, nails or even knitting needles can be used for this job. It needs to be 3 or 4mm. in diameter for 00 scale.

Curl the strip slightly first by dragging it over the edge of your worktop underneath your thumb





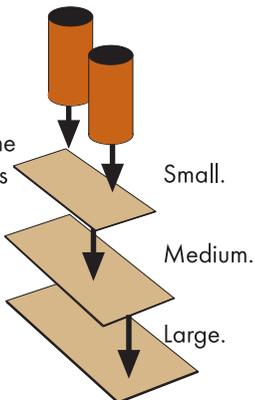
Then roll the strip of pre curled paper around the metal rod.

Roll up tight and keep rolling until the paper is fully curled around.

Then unroll the end back out just enough to smear with a little glue, then roll back up and hold tight until the glue has set.

Keep edges straight.

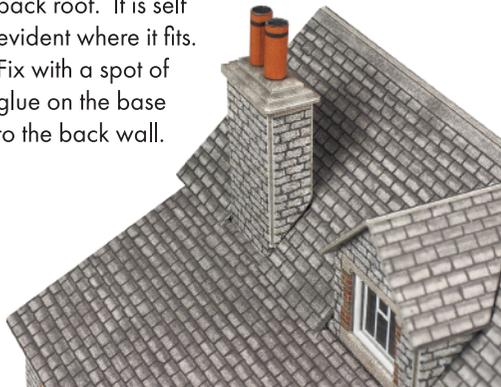
Mount the pots on to the chimney capping stones before fixing to the main chimney stacks.



Spots of glue here to fix to inside wall when fitting. See next picture.



The long chimney fits down in the middle of the back roof. It is self evident where it fits. Fix with a spot of glue on the base to the back wall.

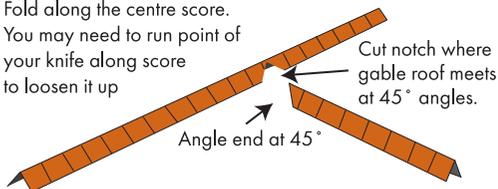


The other chimney stack just slots in it hole no glue needed.

### 13 The Ridge Tiles.

These along with the chimney pots are a little bit fiddly to fit, but make a world of difference to the overall finish of the kit.

Cut to length first. Fold along the centre score. You may need to run point of your knife along score to loosen it up



Paint the white card that shows along the score and on all edges. Use watercolour paints, warm red, a little brown mixed in and very much watered down. Test on waste card first.

