

Castles

PO296 00 Scale Castle Wall Bridge

ASSEMBLY INSTRUCTIONS

PLEASE - PAY ATTENTION

Read through the instructions before you start.
You must follow these step by step instructions
carefully to make this wonderfully detailed kit.



Tools to build this kit.

To build this kit you will need a few basic tools:

1. A modellers knife.
2. A cutting surface - A cutting mat or a sheet of thick card will do.
3. A sharp pair of scissors
4. A steel ruler.
5. Fine point tweezers.
6. METCALFE Fine Tip Glue Bottles (see below)

GLUES

We recommend using **Speed Bond**.

Made by Deluxe Materials -

www.deluxematerials.com



This is a good all round glue that works very well in our Ultra Fine Tip Glue Applicators.

UHU Solvent Free All Purpose Adhesive is also good.

METCALFE

Ultra Fine Tip Glue Applicators.

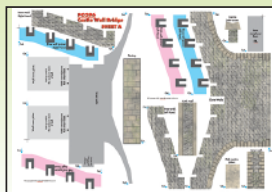
An absolute 'must' when building this kit.
When used with Speed Bond or UHU perfect amounts of glue can be applied to very precise areas without any mess.



A METCALFE product
supplied in packs of 3
Product code MT907
Glue not included

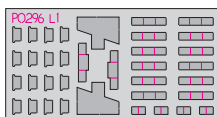


Contents of this kit



2 x Sheet A.

Each sheet contains
all the printed
components to build
one half of the
wall bridge.



1 x Laser Cut Sheet L1.

Fine laser cut capping stones
for the wall tops plus a jig to
aid alignment of battlements.

1 x Instruction Booklet.

This one!

GETTING STARTED

Extracting Components from the Base Sheet

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.

Build the bridge one half at a time.

Extract the components from 1 x Sheet A. and Laser sheet L1. as you need them.

Why a Wall Bridge ?

Medieval castle and city walls occasionally have modern day alteration made to them to allow rail and road access, as can found in places like York and Conwy.

This Castle Wall Bridge kit can be used for road or rail passage, but can also be used for other purposes as shown further on in this booklet.

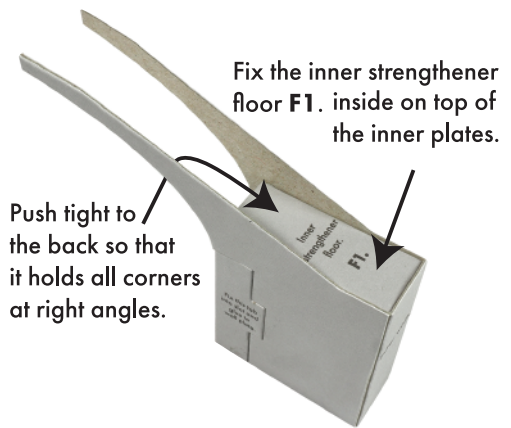
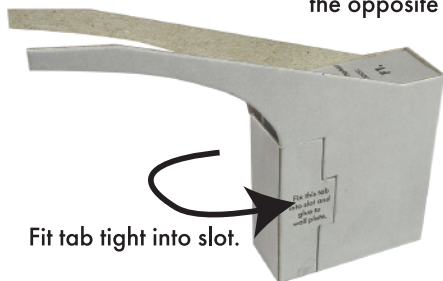
1 Inner Structure.

This strange shaped card (marked *Inner Walls*) folds up to make the inner structure that holds together all the outer printed components.

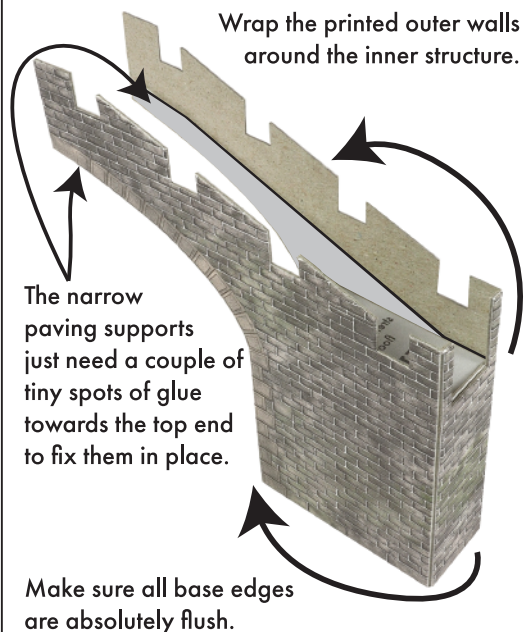


Start by folding over the two inner wall plates and glue them to the back of the walls.

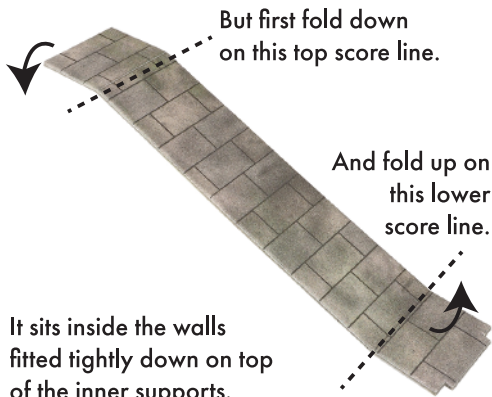
Now fold the side walls around and glue the tab into place where it fits into the slot on the opposite wall.



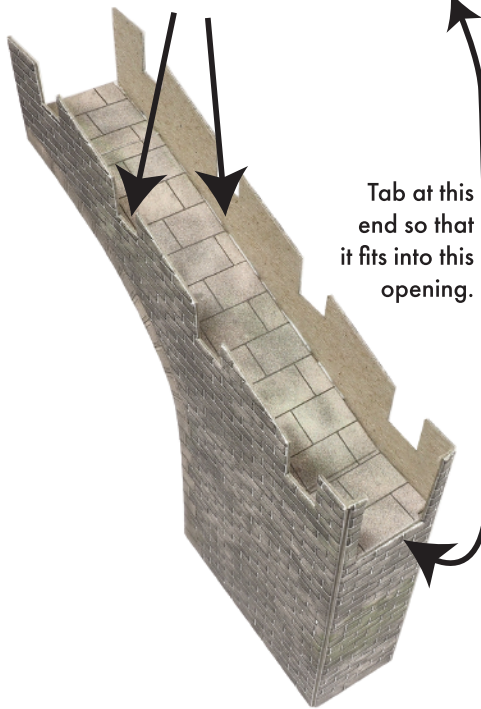
2 Outer Walls.



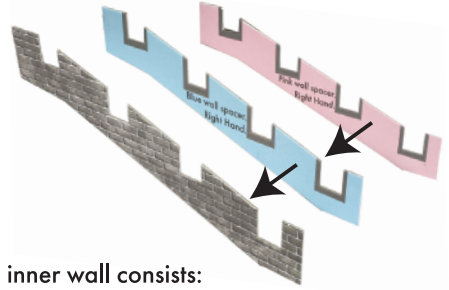
Fit paving in to place on the bridge.



It sits inside the walls fitted tightly down on top of the inner supports.

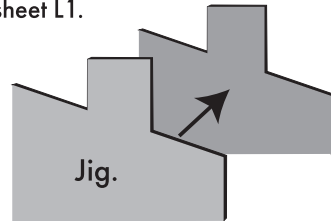


3 Inner Walls.



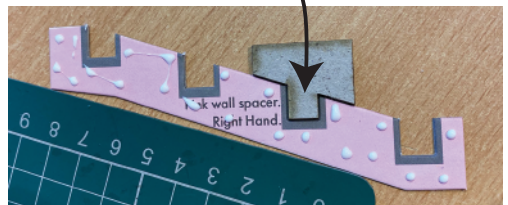
Each inner wall consists:
1 x Pink, 1 x Blue and 1 x Printed card fixed together with all edges flush.

To aid alignment there is a jig located on the laser sheet L1.



Glue the two halves together, all edges flush.

Start with the Pink spacer. Place spots of glue on the surface then fit the jig into one of the crenels, like this.



Push tight up against the side of something such as your cutting mat or perhaps a piece of wood, as long as it has a straight vertical edge and is thicker than the pink card, then fix the PRINTED card on top. Now push up against cutting mat to ensure ALL edges are flush.

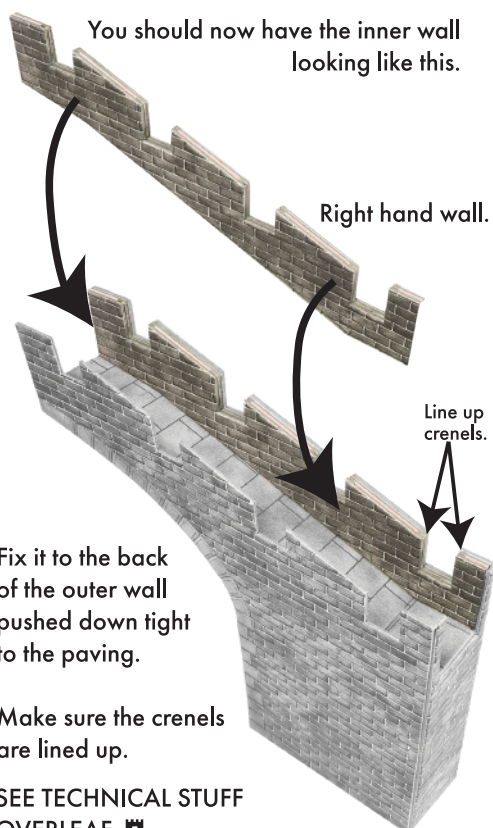




Now repeat this time with the Blue spacer and then place the Printed card with the Pink spacer directly on top and line up edges flush again.



You should now have the inner wall looking like this.



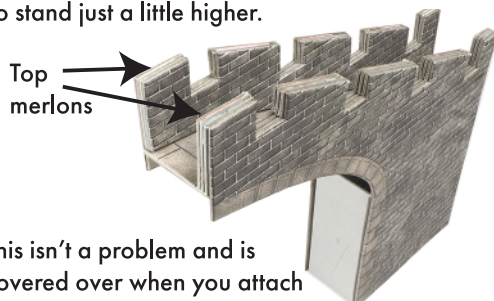
Fix it to the back of the outer wall pushed down tight to the paving.

Make sure the crenels are lined up.

SEE TECHNICAL STUFF OVERLEAF. 5

Now repeat with the Left Hand Wall

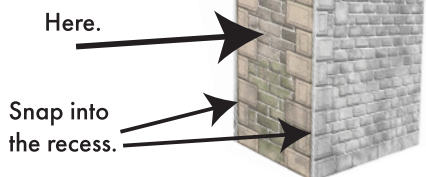
When you fit the inner walls the top edges on both inner and outer walls should be level. However depending on how they sit on the paving you may find that the inner walls tend to stand just a little higher.



This isn't a problem and is covered over when you attach the laser cut top stone strips and crenel stones. However the top merlons need to be level as they need to line up with the other half of the bridge when you attach the two halves together, So simply clip the taller inner walls down with scissors to level them up.

4 Arched roof and Inner Wall.

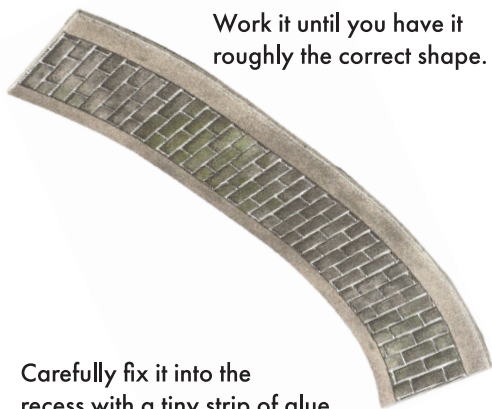
Also described as the Inner Wall, this single piece of stone fits into the recess on the inner side of the abutment



The roof (or barrel) needs to be curled to fit up under the arch

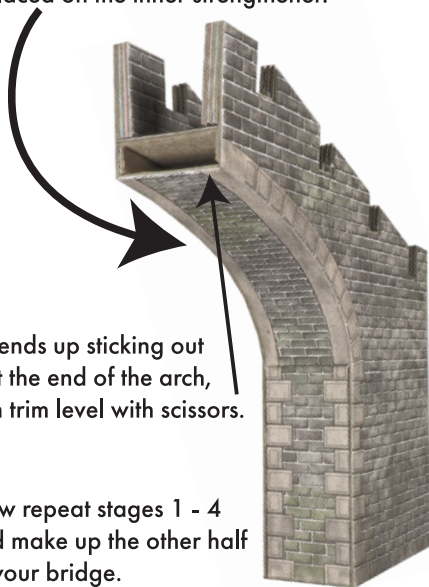


It's easy to curl, just turn over and roll it over the edge of your work table under your thumb.



Work it until you have it roughly the correct shape.

Carefully fix it into the recess with a tiny strip of glue placed on the inner strengthener.



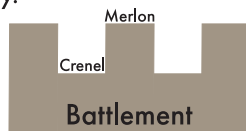
If it ends up sticking out past the end of the arch, then trim level with scissors.

Now repeat stages 1 - 4 and make up the other half of your bridge.

5 The Capping Stones.

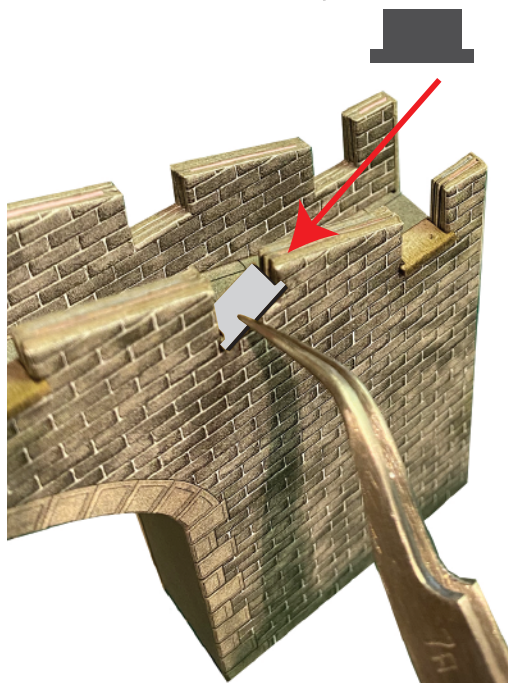
Technical Stuff.

Castle Wall Terminology.
Just so you know.



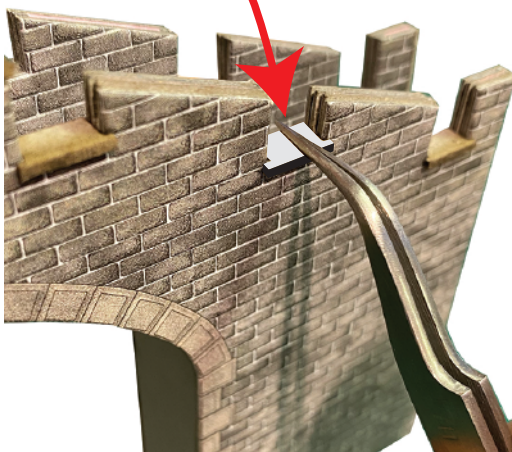
The various capping stones are the final bits that make these walls look really good. You will find them all on the laser cut sheet L1. Follow the instructions carefully and you won't get lost.

Start with the Crenel stones shaped like this:



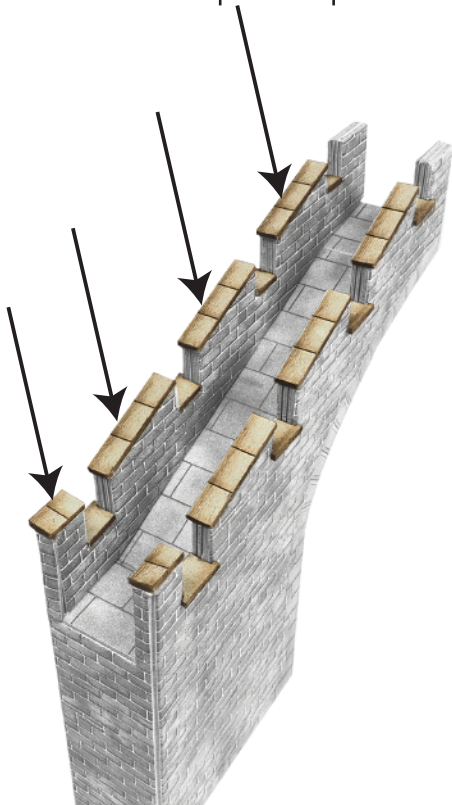
Place a tiny spot of glue on the bottom of the crenel and lift the top stone into the opening at an angle with your tweezers.

Then with the end of your tweezers push the top stone down level and into place.



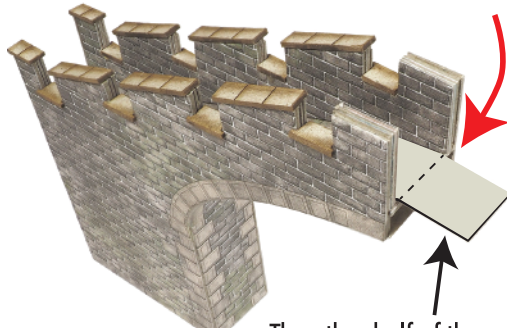
They are quite a tight fit.

Fit the Merlon top stone strips.



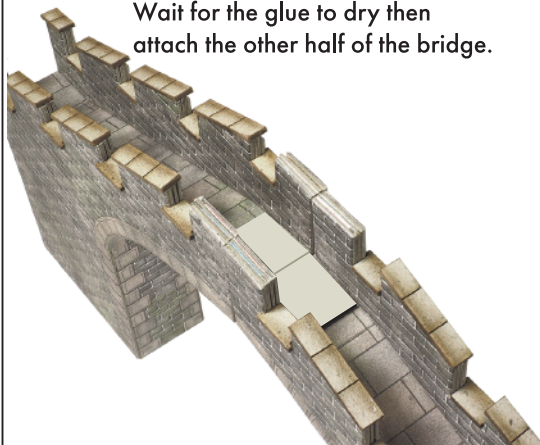
6 Joining the Bridge together.

Fix the Path Centre Joiner to one half of the bridge with the scoreline on the edge

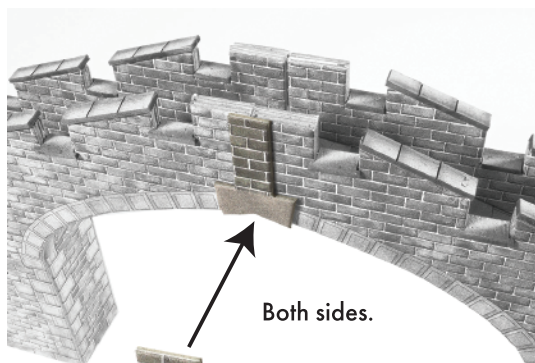


The other half of the joiner overhanging.

Wait for the glue to dry then attach the other half of the bridge.



Let the glue dry fully before you go on.



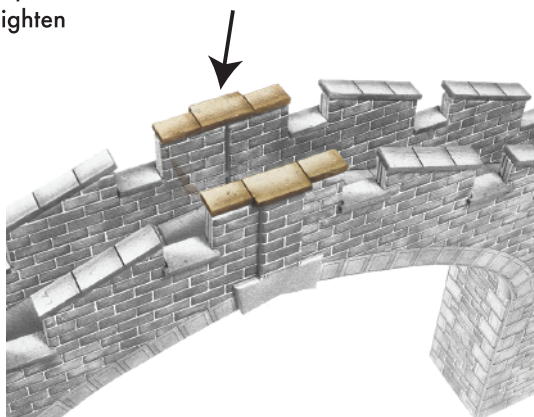
Both sides.



Fix the Centre Joint Cover.

Hold tight or clamp as the glue dries to straighten the walls.

And finally fit the two Merlon top stone strips.



Bridge used here with
Castle Curtain walls.

Other kits in the Metcalfe Castles range of kits.

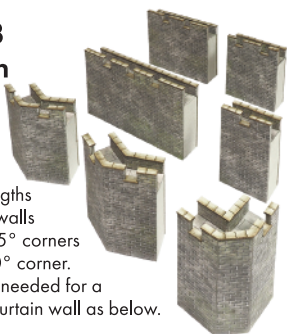


**PO292
Watch Tower**

A useful little tower to fit in with the curtain walls

Or even a stand alone folly

**PO293
Curtain Walls**



Various lengths of straight walls plus 2 x 45° corners and 1 x 90° corner. Two packs needed for a complete curtain wall as below.

**PO291
Castle Gatehouse**



PO294 Castle Hall

The beating heart of the castle. Or could be a stand alone country house. see above for ideas.



Use the bridge as a riser to lift walls to different levels.

