

Castles

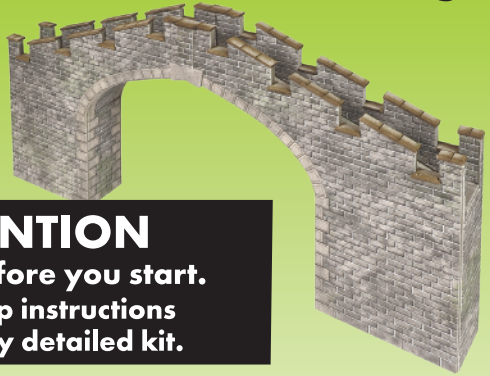
PN196

N 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.

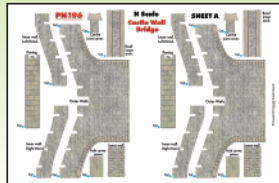
An absolute 'must' when building this kit.
When used with Speed Bond or UHU perfect amounts of glue can be applied to very precise areas without any mess.



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

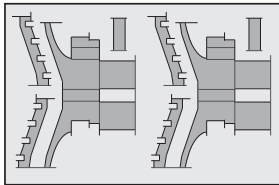


Contents of this kit



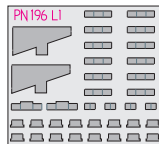
1 x Sheet A.

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



1 x Grey Card.

This sheet contains all the inner strengthening parts for each half of the 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!

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.

Painting Corners and Edges.

This job is not absolutely necessary, but if the white card that shows on corners and edges bothers you - read on.

All you need is a simple set of child's watercolour paints like these and a fine brush.



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

You only need to just tint the white card with a little colour. Don't flood it with paint you will only make it look worse.

GETTING STARTED

Extracting Components from the Base Sheet

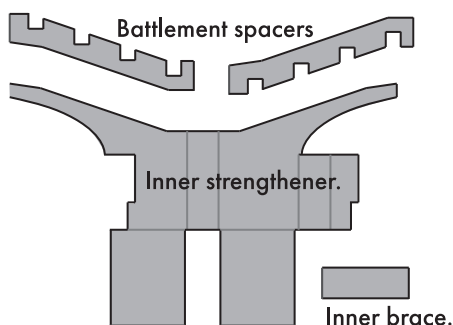
To stop the components from falling off the printed sheet, they are held secure with score lines (marked with blue arrows) that cut about 75% of the way through the card. To release them run the point of your knife along these scores and they will come seamlessly away.

Build the bridge one half at a time.

Extract the components from one half of printed Sheet A. and one half of the Grey Strengthener sheet.

Only extract components from Laser sheet L1. as you need them.

Key to Grey Card components.

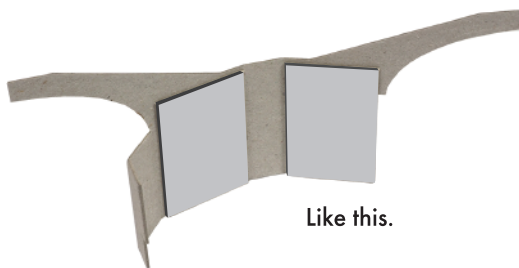


1 Inner Strengthener.

This strange shaped component folds up to make the inner strengthening structure that holds together all the outer printed components.

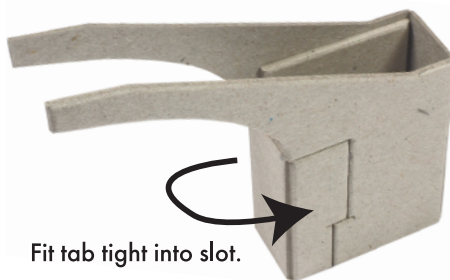


Start by folding over the two inner wall plates and glue them to the back of the walls.

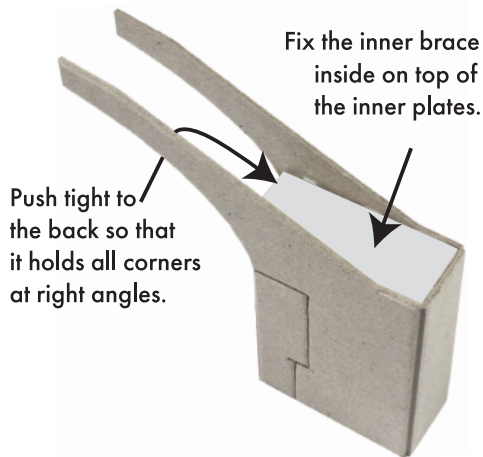


Like this.

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

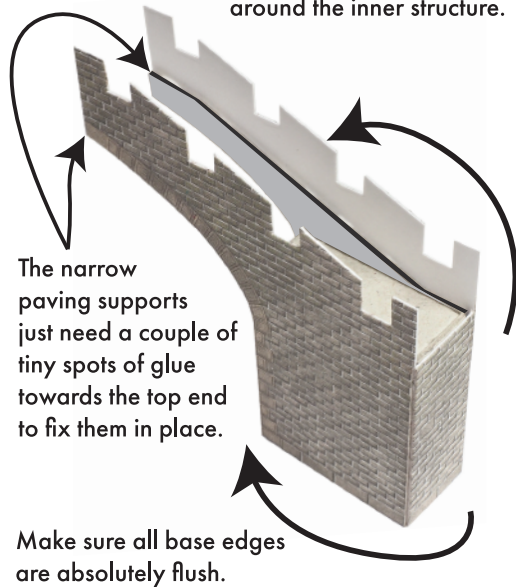


Fit tab tight into slot.

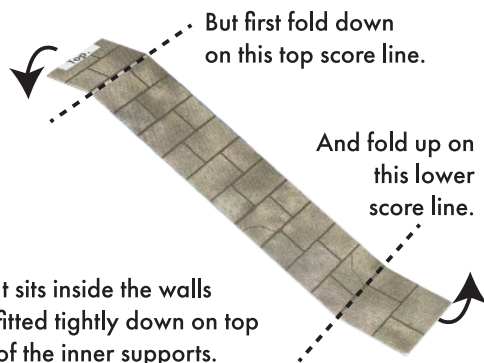


2 Outer Walls.

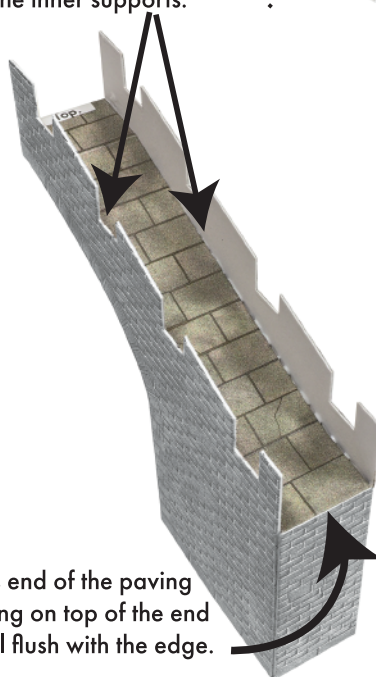
Wrap the printed outer walls around the inner structure.



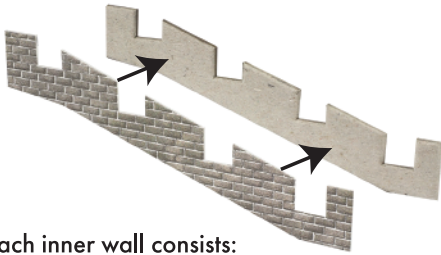
Fit paving in to place on the bridge.



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

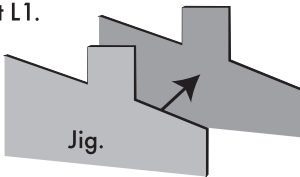


3 Inner Walls.



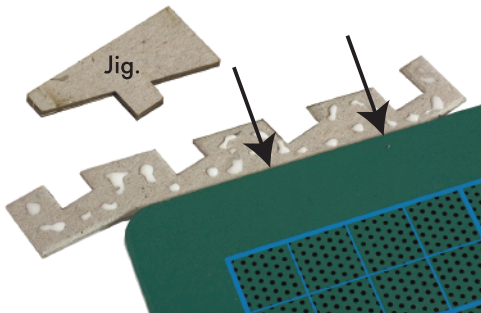
Each inner wall consists:
1 x printed battlement and 1 x grey card spacer
fixed together with all edges flush.

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

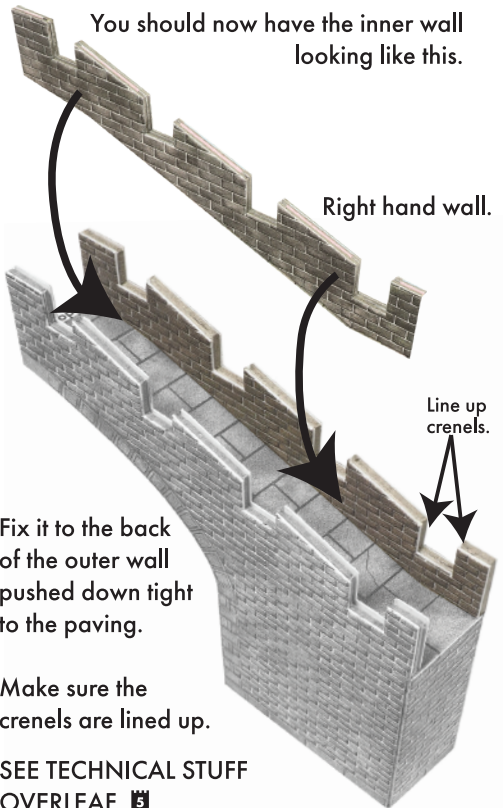
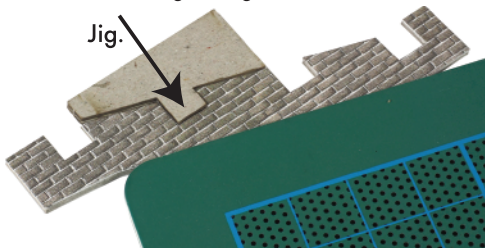


Glue the two halves together, all edges flush.

Start by placing spots of glue on the surface of the grey spacer, then push it against a straight edge, such as the edge of your cutting mat.



Now fix the printed card on top and push the jig into one of the battlements. Push tight against the wall. Move the jig to other positions to make sure all edges align.



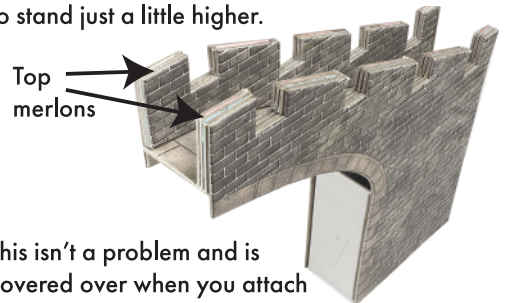
Fix it to the back of the outer wall pushed down tight to the paving.

Make sure the crenels are lined up.

SEE TECHNICAL STUFF OVERLEAF.

Now repeat with the Left Hand Wall

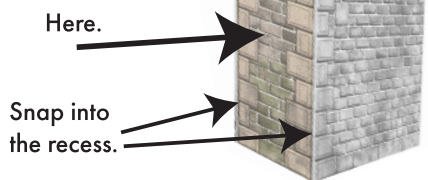
When you fit the inner walls the top edges on both inner and outer walls should be level. However depending on how they sit on the paving you may find that the inner walls tend to stand just a little higher.



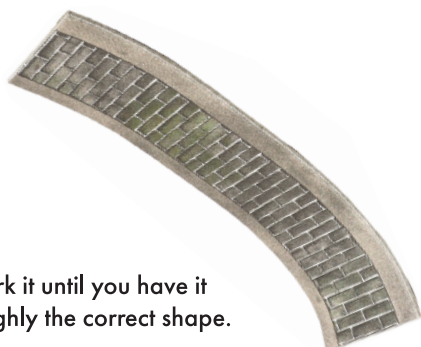
This isn't a problem and is covered over when you attach the laser cut top stone strips and crenel stones. However the top merlons need to be level as they need to line up with the other half of the bridge when you attach the two halves together. So simply clip the taller inner walls down with scissors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

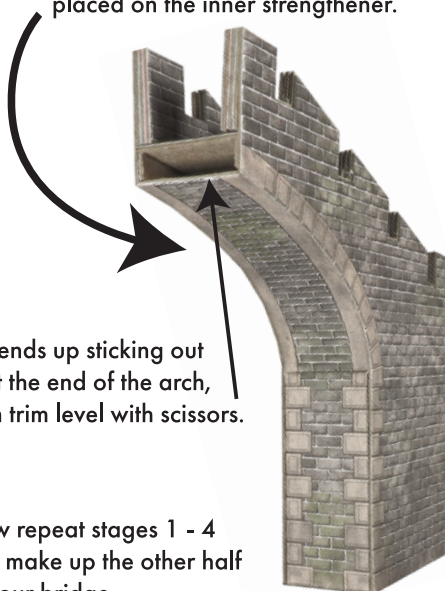


It's easy to curl, just turn over and roll it over the edge of your work table under your thumb.



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.

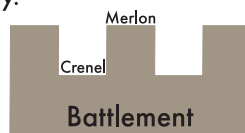


Now repeat stages 1 - 4 and make up the other half of your bridge.

5 The Capping Stones.

Technical Stuff.

Castle Wall Terminology.
Just so you know.

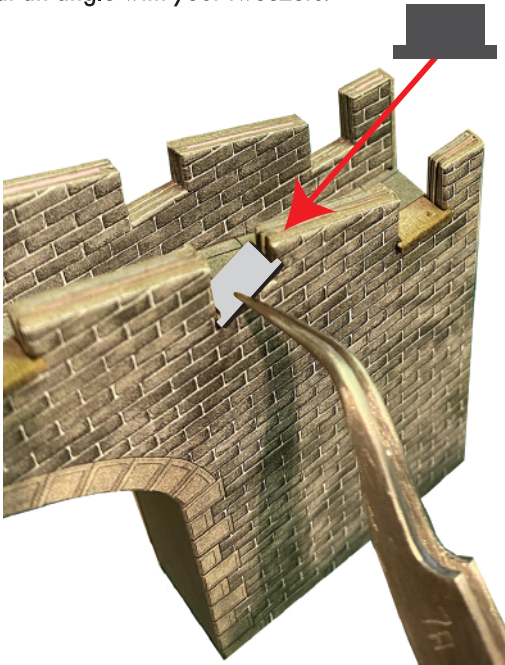


The various capping stones are the final bits that make these walls look really good. You will find them all on the laser cut sheet L1. Follow the instructions carefully and you won't get lost.

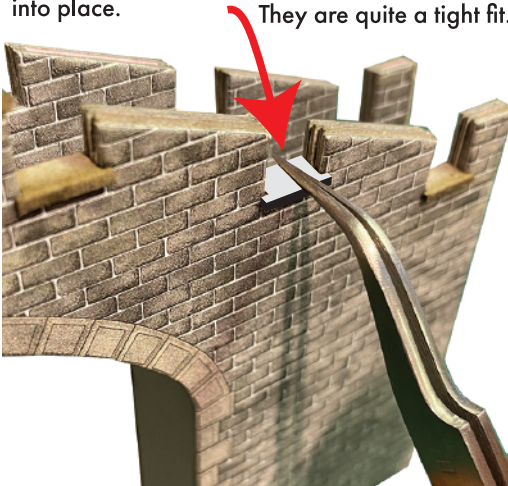
Start with the Crenel stones shaped like this:



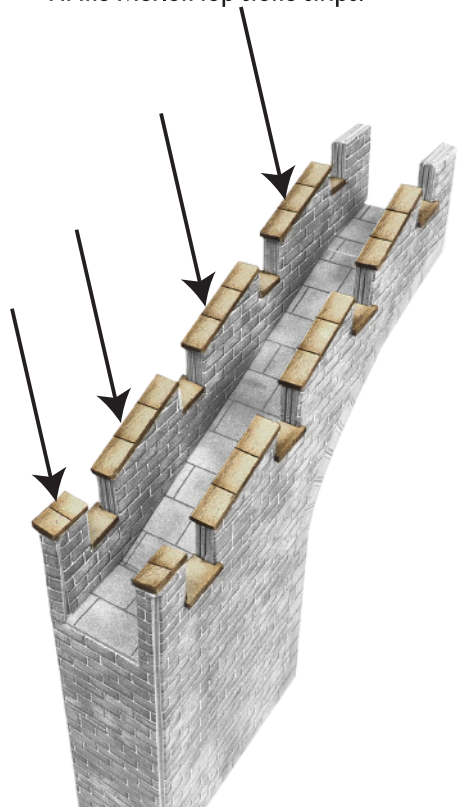
Place a tiny spot of glue on the bottom of the crenel and lift the top stone into the opening at an angle with your tweezers.



Then with the end of your tweezers push the top stone down level and into place. They are quite a tight fit.

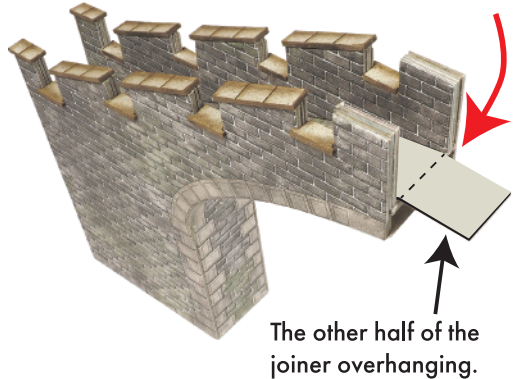


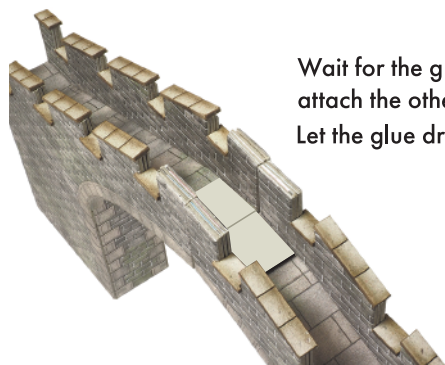
Fit the Merlon top stone strips.



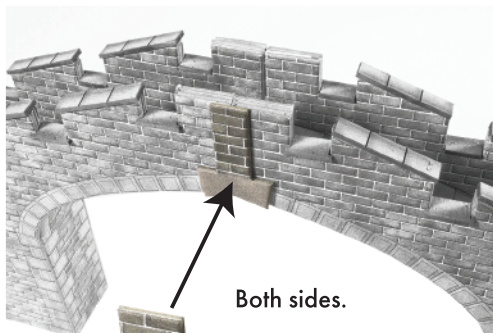
6 Joining the Bridge together.

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



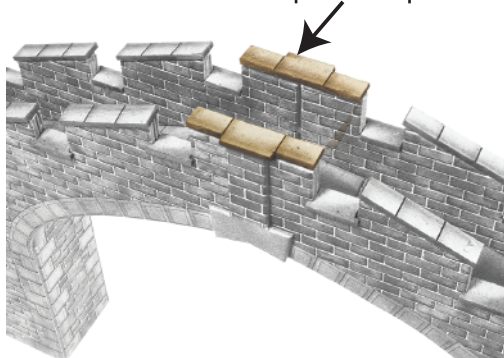


Wait for the glue to dry then
attach the other half of the bridge.
Let the glue dry fully before you go on.



Both sides.

And finally fit the two
Merlon top stone strips.



Fix the Centre Joint Cover.



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



Bridge used here with
Castle Curtain walls.

Other kits in the Metcalfe
Castles range of kits.

PN191
Castle Gatehouse



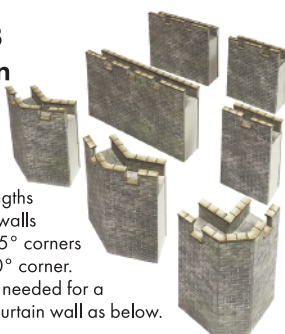
PN192
Watch Towers



A pair of useful little
towers to fit in with the
curtain walls

Or even a stand alone folly

PN193
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.

PN194 **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.

