

WILLOW BROOK INN

28MM/30MM SCALE
CARDSTOCK MODEL FILES
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GLUE AND PAPER TIPS

To get the best results, you really need to experiment with different papers and glues, and take advantage of whatever printing methods are available to you.

In general, you want to print on the heaviest paper you can find. I prefer a 110# (199 gsm) matte cardstock, but any matte photo stock should work.

The best choice of paper and glue will depend a lot on the printing method that you choose. Desktop ink prints will be more likely to smear when you apply a wet glue to them, so you should look for a low-moisture, tacky glue. I've found that a carpenter's indoor wood glue works well for my projects, but there are lots of others that will work. Ordinary white school glue might be just fine.

A little bit of glue is usually all that's required. A thin and even coat is much better than a heavy glob of glue. I keep a supply of small squares of excess cardstock, and use the edges of those squares to spread glue evenly. It's a good idea to keep some slightly-damp tissue if you need to wipe up extra glue, but be careful about this if you're using ink-based prints.

USING THE TEXTURE LAYERS

This product contains PDF files with multiple layers that you can make visible or invisible. When you open a file, you'll see the default design. To make changes, open the Layers menu and expand the Layers Palette to reveal the selection of layers. Some of the layers will be visible; others will be invisible. Click on the 'eye' icon to change a layer's visibility. Choose your surface textures and add or remove external features. When you're happy with your design, just print it off.

PRINTING TIPS

These files are set up for the standard 28mm-30mm tabletop wargaming scale, and for US letter-sized (8.5" x 11") sheets. Turn off any 'fit to page' options in your printer driver. If you are printing on A4-sized sheets, you may want to reduce the print size to 95% of the original. Do this consistently when printing these files.

Print on heavy cardstock whenever possible. You can create super-sturdy models by printing on plain paper and then gluing this to a heavy bristol board before cutting.

DIFFERENT SCALES

To print at a smaller scale, use the table below and change your print size percentage.

SCALE	%
28mm	95%
25mm	84%
20mm	65%
18mm (HO)	60%
15mm	50%
12mm	40%
10mm (N)	34%
8mm	27%
(Z)	23%
6mm	20%

ASSEMBLY INSTRUCTIONS

- Step 1. Before printing, carefully open each of the PDFs and test out the layer combinations and different configurations. When you're happy with your selection, print onto cardstock. Be sure to print one copy of the "Supports" PDF.
- Step 2. Using scissors or a hobby knife, carefully cut along the outer black lines of each piece.
- Step 3. Using a hobby knife, carefully score along each of the remaining lines, and lightly fold back along each of these scored lines. (To *score* a line, lightly drag the tip of your hobby knife.)
- Step 4. On the tower upper south wall piece, you'll see two sections that must be cut and scored in a special way in order to form support tabs for the tavern roof. *Score* along the upper lines of these tabs, and *cut* along the rest. Fold the tabs *forward*.
- Step 5. Assemble the footprint north and south pieces into one piece by gluing along the tab.
- Step 6. Assemble the tower lower walls into a box shape, and then affix the bottom tabs in place on the footprint.
- Step 7. Assemble the tower lower vertical reinforcer piece and glue this in place inside of the tower lower walls.
- Step 8. Assemble the tower upper walls. Place the tower upper floor piece face-down, and glue the tower upper walls on top of it. When dry, glue this assembly on top of the tower lower walls.
- Step 9. If you have selected an optional wall dormer, assemble the dormer walls now. Then glue this piece to its position on the upper tower. Glue the dormer roof in place, and the supporting beams underneath.
- Step 10. At this point, your tower should be complete except for the roof, chimney and roof dormers. We'll come back to them later.
- Step 11. Assemble the tavern lower walls. Glue the tops of these walls to the tavern upper floor. Assemble both tavern lower vertical reinforcers and glue these inside. When dry, glue this entire assembly to your tower.
- Step 12. Next, assemble the tavern upper walls. Glue this piece centered on your tavern upper floor, flush against the tower.
- Step 13. Optionally, you may create the veranda railings and glue these in place along the edges of the tavern upper floor.
- Step 14. This next bit is a little tricky, so take it slowly and give each piece plenty of time for the glue to dry. To create the tavern roof, begin by gluing the east and west halves.
- Step 15. Assemble the tavern roof vertical reinforcers and glue these so that their pointed tops fit inside the angled top of the roof.
- Step 16. When dry, flip over your roof assembly and place the tavern roof under piece inside, laid flat so that the wood-textured side will eventually face downward. Glue this piece in place, and apply pressure until it dries.
- Step 17. Flip over the entire roof assembly and glue it in place to the tower (using the two tabs that you folded forward earlier) and to the top of the tavern upper section.
- Step 18. Assemble any chimneys for the tavern roof and glue these in place.
- Step 19. Now affix the tower roof piece. Construct and affix any chimneys or roof dormers you've chosen. Your model is now complete!