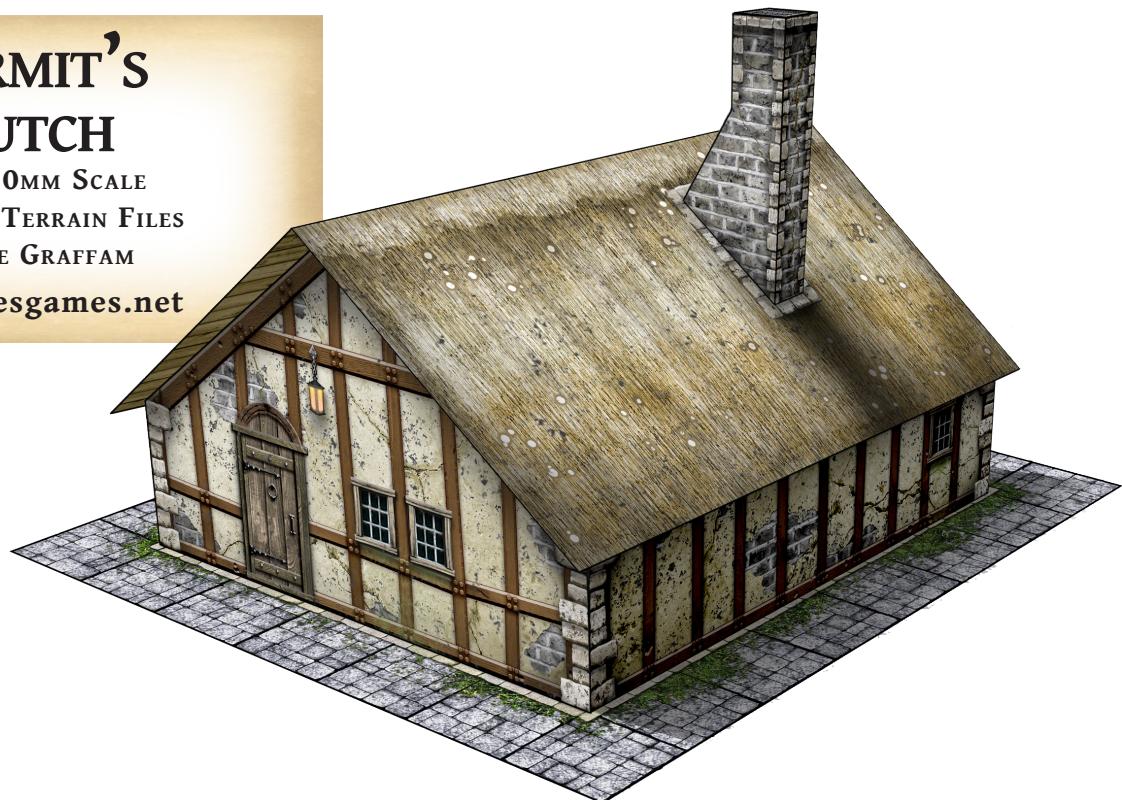# HERMIT'S HUTCH

28mm/30mm Scale
CARDSTOCK TERRAIN FILES
by DAVE GRAFFAM

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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 a good matte photo stock is also a great choice.

The best choice of paper and glue will depend a lot on the printing method that you choose. Desktop ink printers will be more likely to smear when you apply a wet paint to it, 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 is 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	%
25mm	84%
20mm	65%
18mm (HO)	60%
15mm	50%
12mm	40%
10mm (N)	34%
8mm	27%
(Z)	23%
6mm	20%

ASSEMBLY INSTRUCTIONS

First, open both of the PDFs and take a good look at the layer options, and make your selections. When you're happy with the look of your model, print your pages onto cardstock.

Carefully cut along the outer black lines of your pieces. Next, carefully score (lightly dragging your hobby knife along the paper without cutting it) along the remaining black lines. Fold your paper back along those score-lines.

Start with your four Wall pieces. Glue these together using the image below as your guide.

Note: The long wall pieces (East and West) can be used on either side. This gives you even more ways to vary the appearances from one model to the next. The same is true of the triangular-topped wall pieces (North and South).

Next, create the Roof. Fold the wood-textured tabs underneath, and glue the whole piece flat. When it's dry, affix your roof to the tabs along the top of your walls. Before you commit, be sure you're happy with the position of the chimney.

You can now glue your model to the Ground Floor. If you chose a Coal Shed for your hutch, make sure you select the layer options that match its placement.

Now, build your Chimney and Coal Shed, if needed. Glue these in place. Your model's done!

Optionally, you can use a fine tipped felt marker to color in any white paper showing along the edges of your model. Black markers will look fine, but you may want to experiment with brown pens or other colors.

You can now create another model by choosing another configuration or texture combination.