Innovation • Education • Service

Wizard™ University

The Object Box Insert

This background with fold-up sides comes in very handy when you are mounting objects.
Sew or glue things to the background. The glass will rest on the top of the folded up sides, and the whole assembly pops into the frame.

There is not a specific template for an object box insert, but we can design a mat that will work very nicely.

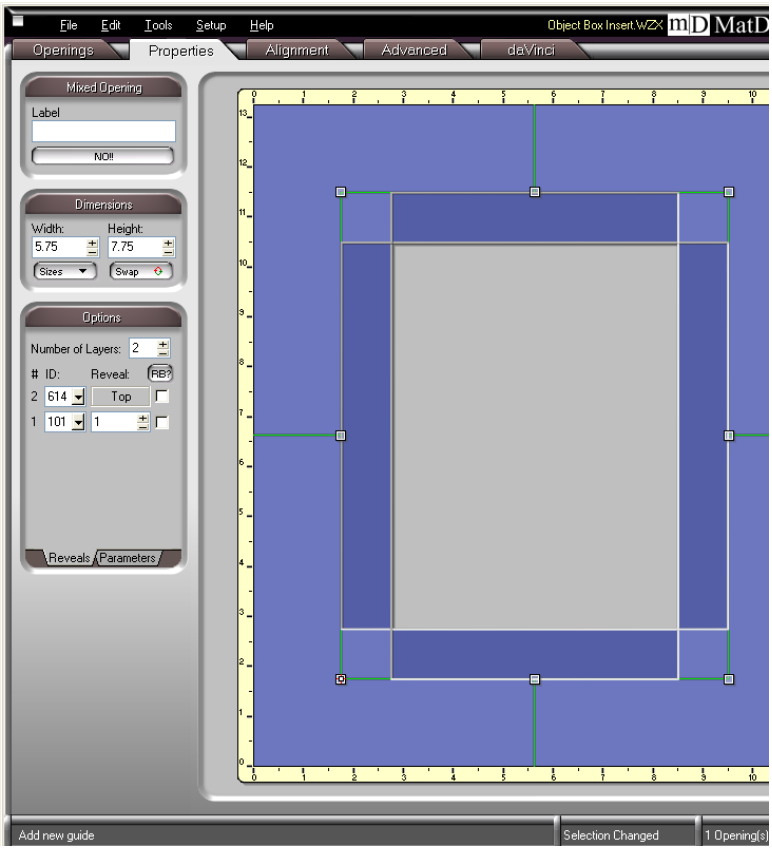
The Initial Design

Begin with the **Mixed** template.
Mixed is nothing more than the ability to have each layer of a multiple layer design be a different template shape.

Make the bottom layer of the mat a rectangle.
Make the top layer template shape 614 Spike.

Set the opening size to the size you'd like for the flat bottom.

Set the **Reveal** to the height of the sides.



By: Brian Wolf, CPF, GCF ● Artistry Ambassador for Wizard International, Inc.

4600 116th St SW ● P.O. Box 66 ● Mukilteo, WA 98275 ● Phone (888) 855-3335 ● Fax (425) 551-4350
Visit our Web site www.wizardint.com

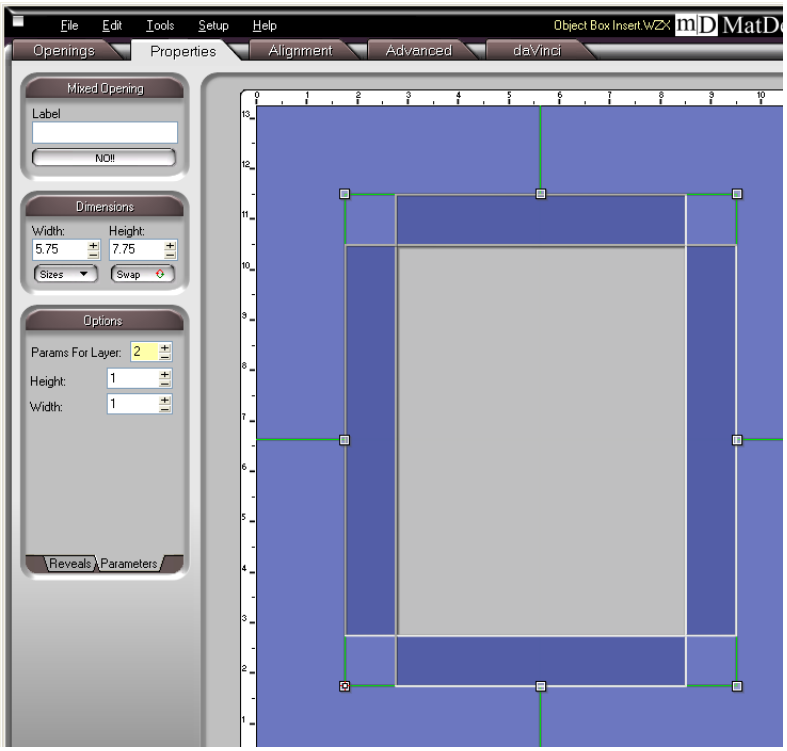
Click the **Parameters** tab at the lower left.

Set the **Height** and **Width** parameters for the top layer to the height of the sides, too.

This design will be an insert with straight sides.

We use the Spike template is so that we can also angle the sides if we like.

Set the **Height** parameter for the top layer to the height of the insert, but set the **Width** parameter to something less.
If you are a trigonometry freak and you must have a specific angle, get out your slide rule and calculate the length of the hypotenuse.
For the rest of us, cut a few tests and you'll come up with a couple of proportions you like.



Save it and Keep Notes

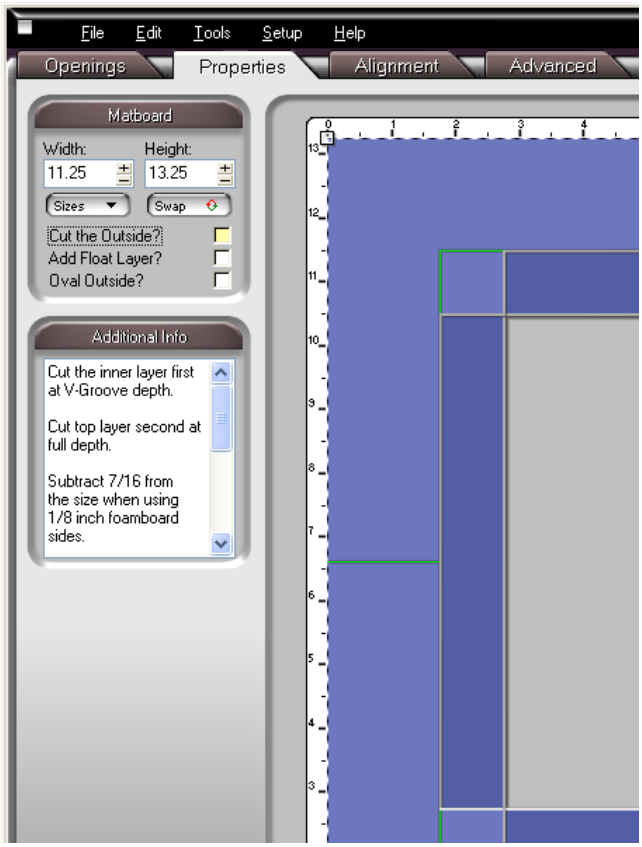
Call the mat something like *Object Box Insert* when you save it.
The next time you want to use it, open it up, type in the size you want, change the height of the sides, and cut it.

There is an **Additional Info** box under **Properties** when you click on the outside where you can write reminders and notes. This crib sheet pops up on the cut screen, too, so you won't forget any of the steps.

This one says:

Cut the inner layer first at V-Groove depth.
Cut top layer second at full depth.
Subtract 7/16 from the size when using 1/8 inch foamboard sides.
Subtract 5/8 from the size with 3/16 inch foamboard sides.

As you can see, these notes are not only a reminder of the cutting steps, but they are also a reminder of past projects so that you won't need to do so much experimentation every time you design one of these inserts.
Add to it every time you discover something new that may come in handy in a later project.



By: Brian Wolf, CPF, GCF ● Artistry Ambassador for Wizard International, Inc.

4600 116th St SW ● P.O. Box 66 ● Mukilteo, WA 98275 ● Phone (888) 855-3335 ● Fax (425) 551-4350
Visit our Web site www.wizardint.com

Cutting Hints

Cut the insert face down using normal bevels.
Cut the inside rectangle first. You will need to remember to set the blade depth more shallow. Set it to cut a tiny bit deeper than normal V-Groove depth so that the sides will fold up nicely. If the cut is too shallow, the fold may be crunched and uneven.

You will need to remember to set the depth back to normal to cut the outside.

The Additional Info box will be up on the cutting screen to remind you, though.

Many have suggested cutting the outside as a reverse bevel so that there is a mitre of sorts at the corner. Try it if you like, but it doesn't work out quite right and it's ghastly when you cut an insert with angled sides.

Many have also suggested cutting a V-Groove instead of just a shallow cut as the inner rectangle. A groove is two cuts that cross each other somewhere inside the matboard and there may be some confusion as to just which cut it should fold on. Try it like it is described and you'll see that the score lines up perfectly with the cuts at the corners. All will be right with the world.

Assembly

Fold it along the scores.

See in the illustration how the sharp bevels of the fabric crush together a little to form surprisingly tight corners.

It's a good idea to tape the corners with 3M 888 or Framer's Tape. These tapes do not tear as easily as 3M 810 tape.

Many framers tape the folds of the sides, too.

By: Brian Wolf, CPF, GCF ● Artistry Ambassador for Wizard International, Inc.

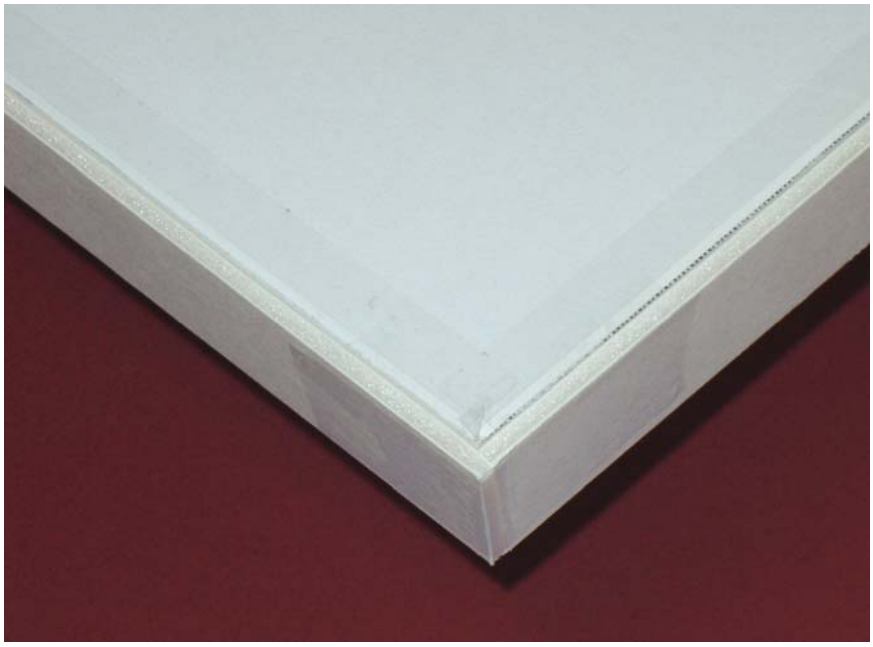
4600 116th St SW ● P.O. Box 66 ● Mukilteo, WA 98275 ● Phone (888) 855-3335 ● Fax (425) 551-4350
Visit our Web site www.wizardint.com

A strip of eighth inch foamboard ATG'd to the sides gives the glass a more stable platform than just one skinny thickness of matboard.

If you are squeamish about the foamboard making the sides too thick to hide under the rabbet, try a strip of six ply rag board instead.

Be sure to measure and see how much this alters the outside size of the insert.

Add this information to your crib sheet in the Additional Information field of the mat design so that you do not need to remember or experiment next time.



By: Brian Wolf, CPF, GCF ● Artistry Ambassador for Wizard International, Inc.

4600 116th St SW ● P.O. Box 66 ● Mukilteo, WA 98275 ● Phone (888) 855-3335 ● Fax (425) 551-4350
Visit our Web site www.wizardint.com