

# CABINET CUSTOMIZATION

## Tip & Project Sheet

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### Make this Cabinet – or One of Your Own Design

Any home becomes more inviting with stained glass! Add bevels, textured or colored glass designs to create cabinetry that you'll be proud to display and call your own. Delphi makes it easy to get started – check out the typical starter tools and tips on this page, or the detailed instructions for a cabinet panel on the opposite side. Welcome to stained glass!

### PREMIUM START-UP KIT

- Spectrum Variety Glass Pack
- PowerMax II™ Standard Glass Grinder
- 100-watt Weller Soldering Iron With Built-In Temperature Control
- Brass Super Cutter
- Delphi's "Stained Glass Made Easy" Video
- Breaker/Grozer Pliers
- Running Pliers
- Introduction to Stained Glass Instruction Book (includes 15 patterns)
- 60/40 Solder
- Copper Foil
- Flux Pen
- Marking Pen
- Safety Glasses



Item #6992

A \$284.30 Value.

Package Price...\$210.95

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### Getting Started

#### Stained Glass Made Easy™ Video

This excellent video guides the beginner step-by-step through a simple, yet elegant window project. All the copper foil basics are covered, including cutting, foiling, soldering, patinas, and framing. This updated tape provides all the how-to information you need. Includes pattern. 44 minutes.

#6149V...\$10.95



Artist: George Ayars

Door above uses #MB50 Canterbury Bevel Cluster.



#### Stained Glass Basics

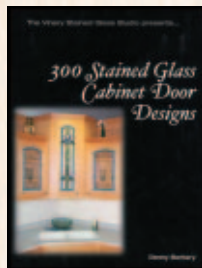
Rich, Mitchell, Ward, 144 pages. A great step-by-step instruction book for all skill levels. Features copper foil, overlays, lead came, 3-D, panel lamps, and repairs. Includes inspirational color photos, and technical tips.

#6405...\$14.95

#### 300 Stained Glass Cabinet Door Designs

Berkery. Over 300 line designs and 50 color pictures featuring prairie, victorian, contemporary, scenic, nature and bevel themes!

#6078...\$18.95



Tiffany Windows: Carl, New York



#### Windows of Distinction, Collection One

Wardell, 80 pages. A breathtaking collection of doors, transoms, sidelights and panels. Contains 108 color photos and 46 detailed line drawings, many designs utilize the use of stock bevels.

#6328...\$17.95

Southwest Doors: Stanley, Arizona



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### Simple Steps To Create With Stained Glass

- Choose a Design: pick a pattern or create your own.
- Select Materials and Create: choose glass and bevels, cut and shape the glass to match the pattern, and fit pieces together.
- Copper Foil Technique: wrap adhesive-backed foil around each piece of glass and solder together.
- Lead Came Technique: for a traditional look, use pieces of lead that fit around each piece of glass, solder the joints and cement.
- Finish: clean, add patina to foil if desired, install and enjoy!



WHERE CREATIVITY BEGINS

800-248-2048

www.delphiglass.com/di

# Design and Build a Cabinet Door Panel

If you've never made a stained glass project before, you'll probably want to develop your skills on a test project before you start cutting apart any cabinets. The cabinet panel shown on the reverse side is not that difficult for a beginner, but your expertise will increase with practice. These steps explain how to create a custom-sized pattern and install the finished piece. Refer to the book "Stained Glass Basics" or the video "Stained Glass Made Easy" for glass construction methods. Have fun choosing your bevels and glass from Delphi's catalog or website!



George Ayars, Delphi Expert

## Step 1 CABINET DOOR CONSTRUCTION

Cabinet doors typically range between 10" and 13" wide and 20" and 25" high; the project pictured on the front is 7-1/2" x 12". Most consist of a four piece frame around a raised wood center panel. The center panel is permanent, but can be easily removed by an experienced woodworker using a router to cut away the inner lip of the frame on the back side. What's left looks like a picture frame that your glass panel will set into from the back and be secured with clips or silicone adhesive.

## Step 2 MEASURE YOUR PANEL SIZE

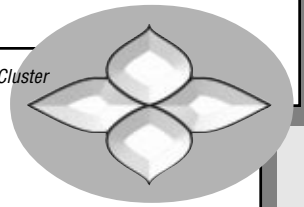
Carefully measure the opening from BOTH the front and back. The front side, called the "view" is what you see from outside the cabinet. The inside measurement, called the "hole" is the full size of the panel, and is usually 1/2" to 1" larger than the view.

## Step 4 ADD A BORDER

Borders are optional, but come in handy for adding a bit of additional color or a different texture. This creates a transition from the background to the frame. A border also helps reduce the space around a smaller cluster. You can adjust our project to fit your cabinet by enlarging the background, adding a border, or both. Borders can be any width, but in general, use a 1-1/2" border for a panel 10"-14" wide, and a 2" border for a panel 14" or wider.

## Step 3 PICK A CLUSTER

#MB67 Vienna Cluster

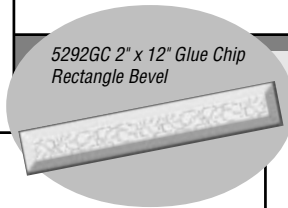


The cluster you choose should be at least 2" smaller than the background area. For best results, pick one that's similar in proportion to the panel. For example, if the panel is 13" x 25", the cluster should be about twice as long as it is wide; an 8" x 16" or 10" x 22" cluster would work well. For this project we used a 5" x 7" cluster in a 7-1/2" x 12" panel.

## Step 5 VISIBILITY

Make sure your glass choice is appropriate – you'll want colors to compliment the room, as well as considering what's inside your cabinet. Bevels and light textured glass are a great way to show off attractive dishes, but you probably want to use opalescent glass to hide boxes or canned goods.

5292GC 2" x 12" Glue Chip  
Rectangle Bevel



## Step 6 DRAW YOUR PATTERN

Measure out the hole size of your panel, then calculate the "glass size". We suggest using 3/8" FH lead came to "frame" your glass piece, which will use up 1/2" of the panel's "hole". Subtract this 1/2" from the hole size to get your "glass size." This is the actual size of the glass panel you will build.

Draw a full size rectangle on graph paper that matches your glass size. Divide the length and width in half to create center lines.

Lay out the cluster in the center, and draw around it. Add borders if you like. Draw each side in at least two sections, plus the corners.

Draw the background.

Draw any necessary cut lines into the background, wherever there is a point, or a deep curve. Add more cut lines to reduce any background pieces that are too long and thin, or seem unbalanced. Do this in pencil - don't be afraid to try things; you can draw and erase till you find the lines most pleasing to your eye. Try using all straight lines, or all curved lines, or both. (You say you can't draw? Try using a "French curve" drafting tool – it has a series of curved edges to help you draw smooth curves.)

Your pattern is finished!

#5690 Silicone Adhesive



## INSTALLATION

## Step 7

Once you've built your panel from your pattern, you're ready to install it. (Once again, for specific stained glass instructions, the video, introductory book, or [www.delphiglass.com/diy](http://www.delphiglass.com/diy) are invaluable for beginners.)

Remove the door from the cabinet, and lay it face down. Set your panel into the back side of the door. It should fit perfectly, or be a bit loose. (If it's too tight, you can shave a bit off the outer edge of the came to make it fit.)

The easiest way to secure your panel is to glue it in with silicone adhesive, Delphi item #5690. You don't need too much glue – just one or two spots on the short ends, and two to four spots on the long ends.

Let the glue set for 48 hours before hanging the door. If any glue shows from the front, simply trim it off with a single edge razor blade.

For a more secure look, you can use cabinet glass clips, Delphi item #8846. Be sure to pre-drill the screw holes for easier installation.