

Vicki Woolley

Ribbon hinge accordion fold binding

This is a method of construction that frees the binder from the scale and accuracy constraints inherent in more traditional forms of the concertina binding.



3 panel ribbon hinge accordion fold binding by Nicky Bazley-Smith

MATERIALS

- Board 1.2 mm
- A4 sheet card – Canson Mi-Tientes 160 gsm or similar
- Cover paper – thickness approx 125 gsm.
Note: Have not found a supplier of Geltex (used in this example)
- Ribbon Gros grain 57 mm (W)
- Artwork e.g., photographs, prints, eco-dying, drawings

EQUIPMENT

- Cutting mat
- Retractable knife
- Pencil
- Metal ruler
- Sharp scissors
- Sponge roller and/or brush
- PVA adhesive or glue stick for making a model
- Note: Adjust calculations when using board and ribbon of different thicknesses.

**STEP 1****Cutting the board to size**

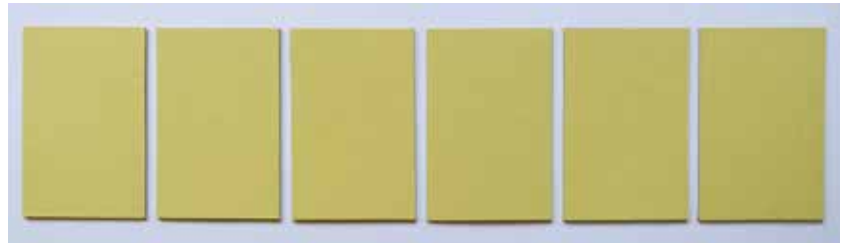
- Cut six pieces of board to make three panels.
- Board thickness 1.2 mm
- Dimensions of each board 90 mm (H) x 60 mm (W)



*It's Curtains
by Terence Uren
Detail.
Eighteen panel binding.
Box board covered with
Japanese fabric, gros grain
ribbon.
Limited edition of eight for
Book Art Object Edition 4.*

STEP 2**Adhering the card**

- Adhere card (Canson Mi-Tientes 160 gsm or similar) to one side of each of the six pieces of board.
- Trim the card back to the edge of the boards, taking care not to cut the board.

**STEP 3****Creating the channel for the Grosgrain ribbon for this example**

- Calculate the size of the 12 strips of card to adhere to the board.
- Height of board (90 mm) minus width of grosgrain ribbon (width 57 mm) divide by 2.
- To make the maths easy, 90 mm – 60 mm (ribbon width), equals 30 mm.
- $30 \text{ mm} / 2 = 15 \text{ mm (H)}$.
- Cut 12 strips of card (Canson Mi-Tientes 160 gsm or similar) 15 mm (H) x 60 mm (W).
- Adhere strips of card to the top and bottom of each of the 6 pieces of board as shown in the image below.
- Note: Adjust calculations when using board and ribbon of different thicknesses.



STEP 4

Infilling with card, four of the six pieces of board

- This is to allow the ribbon to commence and finish in centre of the first and last panels.
- Calculate the size of the 4 pieces of card to cover half of the width of the exposed board.
- Exposed board is 60 mm (H) x 60 mm (W). Half the width is 30 mm.
- Cut 4 pieces of card (Canson Mi-Tientes 160 gsm or similar) 60 mm (H) x 30 mm (W).
- Adhere the card to the 4 of the boards as shown in the image below.



STEP 5

Cover boards with covering material

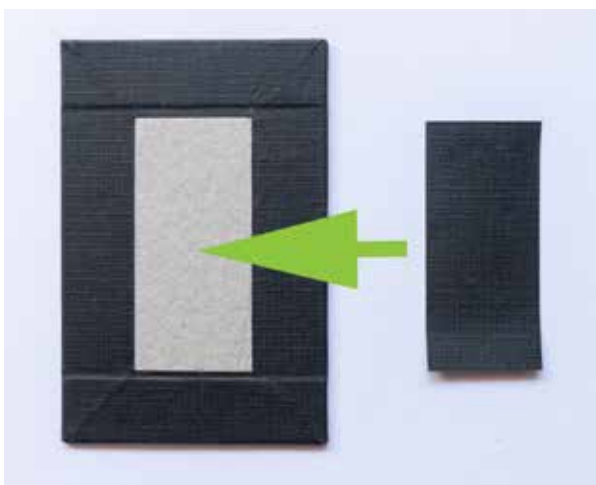
- Cut 6 pieces of your chosen covering material allowing for a turn in of 15mm all around.



STEP 6

Trim corners – all 6 pieces

- The cut should be approximately one board thickness and a quarter of the boards thickness away from the corner at 45 degrees.
- Adhere turn-ins. Turn in head and tail then sides.



STEP 7

Fill-in with covering material

- Cut pieces of covering material to cover the exposed area of the board and card.
- Score channel with bone folder.



STEP 8

- 6 boards covered to create a 3 panel binding

STEP 9

Attaching the artwork

- Adhere the artwork (e.g. photographs, prints, eco-dying, drawings) to the covered boards. There are six surfaces on the 3 panels for artwork.



STEP 10

Inserting the ribbon in the first panel

- The next step is to insert (sandwich) the ribbon between the first two boards. This will create the first of three panels.
- Apply adhesive to the recess in the covered board, place the ribbon in the recess as shown in the image below. Apply adhesive to all of the inside of the board on the left, then place adhesive side down on top of the board with the ribbon. Pop a weight on the top to assist with the bonding to the bottom board.



*Little Bit Long Way by Terence Uren.
Detail. Twenty panel binding with three gros grain ribbon hinges. Paper, bookcloth, felt digital photography. 135 mm x 100 mm x 60 mm*

STEP 11

Creating the middle panel

- Place the third board face down on the first panel. Fold the ribbon over this board to ensure it fits neatly in the channel and snugly against its edge. Apply adhesive to the channel of the third board, lay the ribbon in this channel and apply adhesive to the whole inside surface (channel, top and bottom edges) of the fourth board and place it over the ribbon to complete the second panel. Pop the weight on this panel. The ribbon is now sandwiched, completing the second panel.

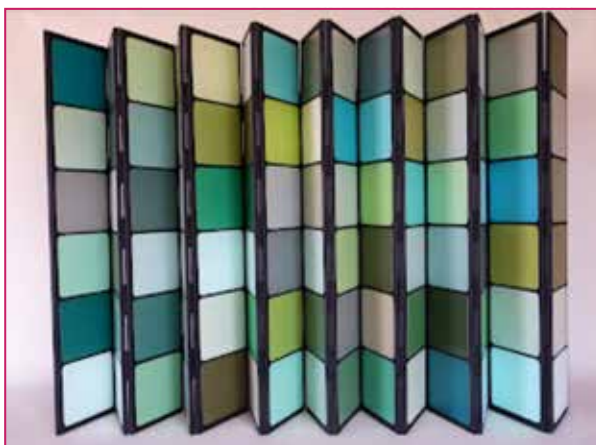


STEP 12

- Repeat Step 10 for the back panel.
- Now your 3 panel ribbon-hinge accordion fold binding is ready for display !



Radar Love by Vicki Woolley. Four panel binding with grosgrain hinges. Black acrylic painted alfoil covers with found objects. Text and graphics inkjet printed on Japanese paper.



Tinted Undercoat Required by Terence Uren. Terence's fascination with colour gradation and transition meant that no visit to the hardware store was complete without swinging by the paint department to ogle its racks of swatches and sample cards. The result of these visits is a huge concertina book that stands over half a metre tall and as a wall work stretches out to over two metres in length. The book has been made using covered box board panels and strips of grosgrain ribbon for the hinges.

New Tricks by Beverley Quenault. Twelve panel binding. Plant dyed Velata Avoria woven/laid paper, grosgrain ribbon, Prunus nigra leaves. Housed in a presentation box. 89 mm x 230 mm x 28 mm



Untitled by Terence Uren. Boustrophedon binding Geltex, Suedex, vintage embossed paper, Magnani Vergata paper, grosgrain ribbon. 350 mm x 80 mm x 80 mm (closed) 810 mm x 810 mm x 2 mm (open)



Leaf Transposition by Vicki Woolley. Two ribbon hinge accordion fold binding 14 eco-dye leaf prints on black linen bookcloth panels, connected with cotton tapes. 130 mm x 95 mm x 27 mm