

Exercise #2

Hinging Inserts with Japanese Paper and Tyvek

Hinges are an alternative to tipping in pages. Hinges are strips of material attached to the inserts and tipped to the gutter margin of the book. They are used to extend the width of a leaf or leaves to allow better flexing of the leaf in the text block.

Hinging with Japanese paper and starch paste is suitable when the insert is lightweight; otherwise Tyvek and PVA can be used.

Hinging with Japanese paper is most often used for: lightweight maps, plates, errata slips.

Materials and Tools:

Japanese paper/Tyvek	Mylar
PVA/methyl cellulose mix	tweezers
starch paste – wheat or rice	ruling pen/water brush
paste brush	ruler
waxed paper	microspatula
scrap paper	bone folder
blotting paper	boards and weights
polyester web	

Procedure:

1. Choose the appropriate weight and color of Japanese tissue.
2. Cut the length of the hinge longer than the page height.
3. Needle-tear or water-tear the hinge strip, as narrow as will do the job.
4. Apply 1/16 inch of adhesive (paste or PVA) along the gutter margin.
5. Lay the hinge on the leaf and put between polyester web and boards to dry.
6. When dry, cut the hinge at the head and tail and tip hinge into gutter edge of book.
7. Place polyester web on both sides, close book and put under a weight until dry.

Hinging Inserts with Tyvek

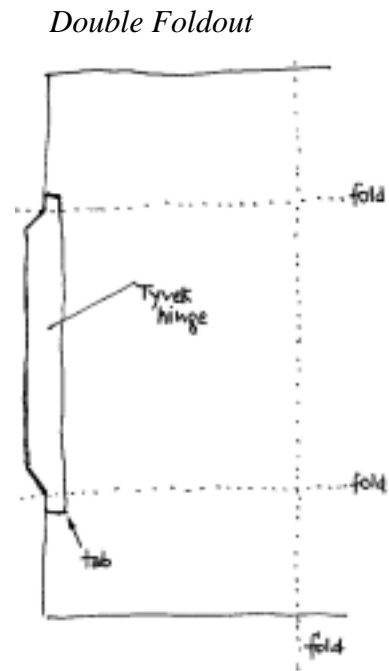
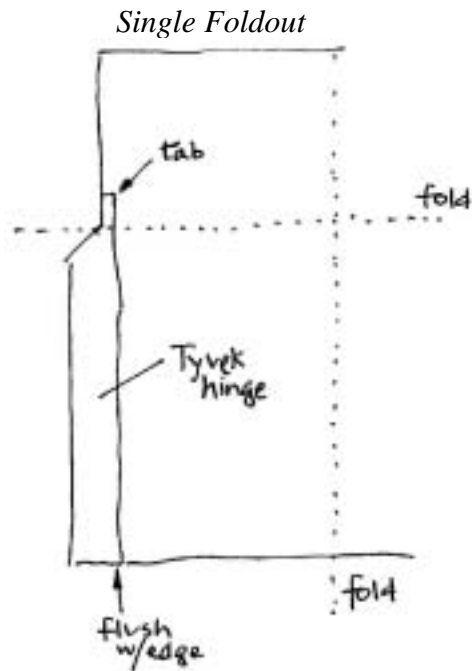
The map, plate, or plan should be folded to best fit in the book. A 1/16" less than the size of the text block. The Tyvek reinforces the map fold with a tab but allows the safe opening of the folded map.

Hinging with Tyvek is most often used for: heavier weight maps, plans, and plates that fold out.

Procedure

1. Cut strips of Tyvek using a knife and ruler to the height of the page and 3/8" in width.
2. Fold hinge in two lengthwise. Cut the length of the hinge on one side of the fold to the height of the fold in the map. Cut the hinge at an angle with an overlapping tab.

OVER



3. Glue out half the hinge with PVA only - where it will be in contact with the foldout.
4. Open out the foldout and attach the hinge to the gutter edge of the foldout on the backside (verso).
5. Place the hinge between polyester web and under a weight until dry. Fold up the map.
6. Tip the Tyvek hinge into the gutter of the book using PVA.
7. Place polyester web on both sides, close book, and put under a weight until dry.