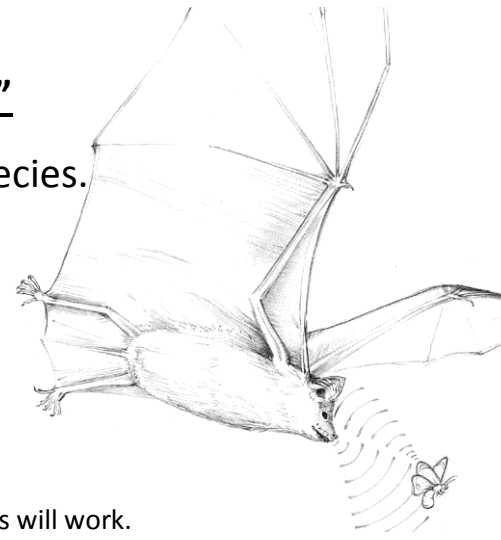


Instructions for making “Bat Flats”

An alternate roost site for Microbat species.



Materials:

Plywood (8mm exterior grade)
1 piece 220 wide x 370 high
2 pieces 220 wide x 270 high

The thickness of the ply is not critical. The plan uses 8mm but any thickness will work.
A pre-cut sheet of 900 x 450 will make 2 BatFlat units to this plan (or 1 with 4 interior cavities).

Sawn wood (dressed to 42 x 19)
2 pieces 220 long
4 pieces 228 long

The thickness of the wood is not critical but the thickness determines which species of microbat will prefer living in the BatFlat. The type of wood is not critical, though do not use chemically treated woods. MDF is not suitable as it swells when wet. Pine is easy to work but may attract termites (white ants).

Hardware:

6-10 Screws or nails
Glue (No More Nails or similar)

Assembly:

1. Cut the plywood to the sizes and quantities required.
2. Score the plywood both sides with horizontal cuts, about 2-3mm wide, 2-3mm deep spaced 10-12mm apart. (The back panel only needs scoring on one side).
3. (optional) Cut 2 holes, 45-50mm diameter in the middle panel as shown on the drawing.
4. Cut the sawn wood to the lengths and quantities required.
5. Glue a Top Spacer and 2 Side Spacers to the Back Panel on the scored side. Secure with nails or screws (2 per spacer) through the plywood to stop the parts sliding on the wet glue.
6. Glue a Top Spacer and 2 Side Spacers to the Middle Panel. Secure with nails or screws.
7. Glue the Middle Panel on to the Back Panel spacers.
8. Glue the Front Panel to the spacers on the Middle Panel. Secure with nails or screws.

Mounting:

The “Bat Flats” may be mounted various ways.

1. Screwed to a wall
2. Hung like a picture frame.
3. Under the eave of a building

Useful Reference Material:

<http://www.batcon.org/pdfs/AttractingBats.pdf>
<http://www.batcon.org/pdfs/BatHouseCriteria.pdf>
<http://www.hollowloghomes.com.au/>
http://www.bats.org.au/downloads/bat_roost_box_v4i.pdf

