

Build your own bike box

By Team OrionHealth



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Ingredients:

Patience, strong glue (i.e. not hot glue, an industrial bonder), tape measure, 2 people (capable of jumping up and down in unison), sharp industrial stanley knife (or jig-saw), straight edge, weights/straps (e.g. kayak tie down) to hold bits together, hand drill, 10 wide head rivets (capable of binding something 16mm thick), 20 fat washers with internal holes compatible with the rivets, 2 large sheets of 8mm thick corflute 2440mm x 1220mm (approx. \$25 each)

Instructions:

1. Measure and mark up the corflute as per diagram below
2. Score across all exterior fold lines to help the folding process for the against the grain folds. Those with the line of corflute bend relatively easily, relatively being the key word ;o)
3. Cut out the shapes, take care, you need to put a lot of pressure on the knife (after taking off 3 fingers from my left hand I resorted to using an electric jig-saw)
4. Fold using a sharp edge (e.g. the edge of an outdoor table, or steps) and fold well beyond 90°, as the corflute has a strong memory and will want to spring back to it's unfolded flat self
5. Glue and rivet (two rivets per flap). You may need to use weights or straps to hold areas that don't naturally behave as you would hope overnight until the glue sets.
6. Create a catch for the lid ... up to you to create this (we used a rope loop and length of dowel).
7. Glue a hard foam block in where the bottom bracket will sit (blue square in picture), to take the weight. Add a bungy catch for your head stem to hold the bike in (curved arc in pic).
8. Take off your wheels, turn the handle bars sideways, lower the seat, slip your wheels in and you're away!



A word of warning, the first one took about 5 hours to construct (without a plan of course, so you've got a head start).

