

Wood

- 2x Balsa sheet 12 x 100 x 1000 mm. 90 to 100 gram, or
1x 12 mm, 90 to 100 gram, and
1x 10mm approx. 80 gram
- 1x Balsa sheet 2.5 mm, 25-30 gram
- 1x Balsa sheet 6 mm, ca. 60 gram
- 1x Hard balsa 5 x 3 mm, 1 meter
- 2x Spruce 2 x 2 mm, 1 meter

Ply

- 0.8 mm, 50 x 300 mm
- 1.5 mm, 50 x 400 mm
- 3 mm, 50 x 100 mm

Carbon

- Tailboom, kite-boom Skyshark P90 or P100
- Rod 3 mm
- Launch peg, for a blade a piece of 2 mm thick carbon sheet, 50 x 12 mm, or 3 mm carbon rod (option)

Miscellaneous

- Dynema fishing line 1,5 - 2 meter
- Roll of hinge tape
- Piano wire 0,3mm ca. 150 mm
- Plastic tube ca. 100 mm
- Nylon M3 screw
- Heat shrink tubing, 30 mm wide (thin)

Cloth

- Fibreglass cloth 25 gram/m², 400x200 mm, fuselage (cut at 45 degree angle)
- Fibreglass cloth 50 gram/m², 250 x 250 mm, wing reinforcements, (straight cut)
- Kevlar cloth 37 gram/m², 15x5 mm, reinforcement elevator
- Kevlar rooving, reinforcement fuse/boom/blade ca. 500mm

PU finish

- Polyurethane (PU) varnish
- Brush
- Cloth, paper towels

Glue

- Epoxy, 30 minutes
- CA, thin and thick

To build a MiMi you don't need special or exotic materials. All materials can be bought at good hobby shops. You don't need special building techniques or skills to build a MiMi. The construction is simple and very conventional. One thing stands out though, and that's the wing. In contrast to more conventional wings, build up from ribs, spar and sheeting, the MiMi wing is sanded to shape out of solid material.

The wing can be the most tricky part of the build. Sanding the wing to the correct shape isn't the hardest part, but finding good grade balsa can really be a challenge. To get a wing that isn't too heavy you will need balsa that will weigh around 8 gram for every millimetre of thickness (sheet

of 100 x 1000 mm). A 12 mm sheet will weigh around 96 gram. A sanded wing made from this grade balsa will weigh in the region of 75 gram. If you can find only one sheet of light balsa you can use a heavier one for the trailing edge part of the wing. Lighter balsa is even better, but be aware of too soft balsa. Always look for light but strong balsa wood. And don't forget your scale when visiting the hobby shop.