

# The Flash Chair

## Cutting List

- Backrest 2 X 920mm X 80mm X 24mm.
- Seat Struts 2 X 860mm X 75mm X 24mm.
- Top Slat 1 X 510mm X 100mm X 19mm.
- Seat Supports 2 X 510mm X 50mm X 24mm.
- Slats 13 X 510mm X 50mm X 19mm.

## Wood Used For This Project

Spotted Carri - a member of the eucalyptus family, used for its durability.

## Finishing Used

A Matt Polyurethane varnish (Chemspec).

## Woods Suitable For This Project

Saligna – Blue gum.

Meranti.

Rhodesian teak.

DO NOT USE PINE IT IS TOO SOFT.

## Equipment Needed

- Electric pad or orbital sander,
- Router and router bit,
- Jig or Mitre saw,
- Hand Drill,
- Square drive screw bit,
- A 2,5mm wood drill bit,
- A Countersink drill bit,
- 1 pct 4 X 50 100 Eureka Smooth Shank Cut Screws,
- 1 pct 4 X 30 100 Eureka Smooth Shank Cut Screws,
- 1 roll 100grt Sanding paper or sanding pads,
- 2 sheets 120grt Sanding paper or sanding pads.
- Varnish (as desired).
- Paintbrush suitable for use with varnish.

## Preparation

- Cut or have cut all the required pieces on the cutting list.
- Cut the back arch of the top slat using a jig or band saw.
- Sand and round the corners and edges with the use of a sander and router.
- If possible taper the upper end of the backrest (band saw).
- Sand all pieces until smooth.
- Divide slats: six (6) for the seat and seven (7) for the backrest.
- Mark backrest slats and drill 2.5mm guide holes twelve (12) mm from the edge, two (2) holes to each side (This is especially important when using hard woods as it prevents the screws from breaking and makes fastening easier.) countersink all holes. Each slat is fastened using four (4) screws.

- Mark seat slats and drill 2,5mm guide holes thirty-eight (38) mm from the edge, two (2) holes to each side and countersink. Accuracy with this drilling is of utmost importance.
- Mark and drill the seat supports and top slat twelve (12) mm from the edges.

### **Assembly**

- Place slats on the backrest. Starting with the top slat. Slats are spaced thirteen (13) mm apart, and fasten using 4 X 30 Eureka Smooth Shank Cut Screws.
- Place the one seat support on the front (same side as the slats) two hundred and ninety four (294) mm from the bottom of the backrest support. Fasten Using 4 X 50 Eureka Smooth Shank Cut Screws.
- Place the other seat support on the back (opposite sides of the slats) the gap between these two supports should measure ninety five (95) mm, and be higher than the front support. Fasten Using 4 X 50 Eureka Smooth Shank Cut Screws.
- Place slats on seat struts. Ensure a minimum hangover of 26mm is maintained on both sides to insure that the seat slides into the back support easily. Slats are placed thirteen (13mm) apart. Fasten Using 4 X 30 Eureka Smooth Shank Cut Screws.

### **Finishing**

Finish using a suitable varnish to your choice.

### **To Assemble Chair**

Slide the seat strut through the seat supports on the backrest.

