

Jump Refurbishment Plan

Materials:

- 14 sheets ¾" G1S
- 8 sheets ½" G1S
- 7 - 2x10x14' Pressure treated
- 2 – 2x8x14' Pressure treated
- 14 – 2x10 joice hangers (submersion capable)
- 600 #12x2" CSunk Flat Head SS Wood Screw
- 4 gallons of fiberglass resin*
- 40 yards of 6oz Fiberglass cloth
- 2 quarts of bondo
- 1 gallon Endura Guardian primer*
- 1 quart Endura Guardian part B*
- 1 gallon Endura EX-2C White*
- 1 Gallon Endura EX-2C Red
- 1 Gallon Endura EX-2C Part B (2:1 mix ratio for rolling)
- 15' – 3/8" galvanized chain (for two new anchors)
- 40' 10m rebar (for anchors)
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Tools:

- 100ft tape measure
- 25' tape measure
- Hammers
- Screwdrivers (power)
- 6 rollers
- 15 roller sleeves
- 6 plastic paint tray sleeves
- Belt sander
- Drill
- Skillsaw
- Chalk line
- 3 spatulas for spreading bondo
- 4" hole saw
- Router
- Grinder with wood and steel disk
- Exacto knife
- Respirator with organic vapor cartridge
- Extended poles for rolling
- Large broom for sweeping



- Remove Wings
- Remove jump surface

- Cut out new wings using old wings as template
- Cut slots using hole saw and skill saw
- Router exposed edges (slots and bottom)
- Paint all sides of wings with Guardian primer
- Install wings using 1/4NC SS bolts, washers and nuts
- Paint wings using White Epoxy

- Square jump
- Fit top right sheet of plywood
- Leave top right sheet in place and mix 500ml of resin (remove sleeves from rollers once done using resin for a longer period – this will save the amount of rollers that you use)
- Working quickly, apply resin to bottom and sides of plywood, fit and screw into place
- Continue applying resin to plywood and installing on surface quickly
- Leave bottom edge long and cut off after all pieces have been installed
- Install 4' sheet on next row to split joints

- Cut and fit entire last row before applying resin
- Screw down plywood using #12 screws on 8" centers (joices on 16" centers)
- Router or bevel top edge of plywood deck all the way around
- Bondo all screw holes and larger cracks between plywood to prevent resin from running through. Have 1 person mixing and two people applying bondo. Mix in small (2 golf balls) batches to prevent the bondo from hardening too quickly.
- Sand all screw holes and any plywood joints that aren't flush using belt sander and 50-80grit belt
- Place fiberglass mat on jump – 2 people holding (top and bottom) and one or two people rolling resin. Start at on right side either lower or upper corner. Roll out resin onto mat being careful to roll out any air pockets
- Cut mat with knife or shears at top (or bottom, before or after resin sets up)
- Repeat for rest of jump, leaving a small gap between fiberglass sheets (allows space to roll out air pockets). Note we had a 10" strip on the left side that we only put resin on.
- After resin has cured, lightly sand entire surface to remove any imperfections and prep for paint. Belt sand any air pockets and fiberglass matt joints
- Reapply resin to any air pockets that were removed or other areas where minimal resin exists
- Apply red epoxy from top down
- Wait 6-10hrs and apply 2nd coat of epoxy
- Wait 6-10hrs and markoff water line on jump (6.4m to 6.8m from top edge) with masking tape
- Mix small amount of white and roll out waterline with white epoxy
- Wait 24hrs before launching
- Wait 7-9 days before waxing and using ramp

*Note: we used Guardian primer for wings but if we were to do it again, we would use fiberglass resin to seal both sides before epoxy. The fiberglass resin is cheaper and does a better job. Add more resin (2 gallons) and more white epoxy – 2 quarts.

Also, it would have been worthwhile to purchase some catalyst to speed up drying time.

Anchors:

Form 3'X3' (or 4'X4') X 10" (using old jump stringers if available.)

Cut rebar 4" past outside of forms on each side for lifting

Push rebar thru chain – 9" centers

Tie rebar together