**Skin on Frame Kayak Blog**

Here is the running account of my skin-on-frame kayak build.

I decided to build an F1 kayak following the plans of Brian Schulz - Cape Falcon Kayaks  
His web site is at <http://www.capefalconkayaks.com>  
He offers many videos of the building process. Some of the content is free. The rest of the content costs $225. Detailed plans are available for an additional $75.  
See <http://cape-falcon-kayak.thinkific.com/enrollments> to create a free account  
Download F1 Plans (some free pages, remainder $75) <http://cape-falcon-kayak.thinkific.com/courses/f1-plans>  
Access free videos <http://cape-falcon-kayak.thinkific.com/courses/skin-on-frame-kayak-building>   
Access paid videos ($225) <http://cape-falcon-kayak.thinkific.com/courses/kayak-building>

Below is a list of the items that I have purchased for the project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Quantity | Unit | Description | Price per unit | Extended Price | Comments |
| 32 | linear feet | Clear Douglas Fir 1"x4" | $1.21 | $38.84 | Purchased from Mayan Hardwoods for gunwales |
| 1 | package | Pigment Color: Burnt Sienna | $7.70 | $7.70 | The Skin Boat Store |
| 1 | pair | Keepers Kayak Foot Braces | $24.50 | $24.50 | The Skin Boat Store |
| 1 | kit | 950 Ballistic Nylon and Coating Kit (Urethane coating is 1 1/2 orders) | $125.00 | $125.00 | The Skin Boat Store |
| 1 | spool | Artificial Sinew Natural #11208-00 | $24.99 | $24.99 | Tandy Leather |
| 3 | pieces | Latigo Cowhide Leather Strap 5/8"x72" #4755-00 | $11.99 | $35.97 | Tandy Leather |
|  |  |  |  |  |  |
| 1 | piece | 5/4x12"x16' Green Redwood |  |  | Creston Sawmill |
| 1 | pirce | 5/4x9"x16' Green Redwood |  | $85.00 | Creston Sawmill |
| 7 | pieces | Spring Clamps | $0.99 | $6.93 | Home Depot |
| 1 | pound | 1" bronze ring shank nails | $17.50 | $26.93 | Boat Designs.com (includes shipping and tax) |
|  |  |  |  |  |  |
| 1 | piece | Thermarest Ridgerest SoLite Pad R | $24.90 | $24.90 | Amazon.com |
| 1 | piece | Snapdragon Backband | $45.95 | $4.95 | Olympic Outdoor Center |
| 1 | pound | #9 Tarred Seine Twine | $8.95 | $8.95 | Sgt. Knots |
| 1 | piece | HDPE Cutting Board for rub strips | $12.97 | $13.98 | Walmart- for rub strips |
|  |  |  |  |  |  |
| 1 | package | push pins | $2.22 | $2.22 | Walmart |
| 2 | packages | needles | $2.47 | $4.94 | Walmart |
| 1 | can | paste wax | $8.99 | $8.99 | Miners |
| 1 | video | Cape Falcon Kayak Building Video | $225.00 | $225.00 | Cape Falcon Kayaks |
| 1 | set | F1 Kayak Plans | $75.00 | $75.00 | Cape Falcon Kayaks |
| 1 | set | Bamboo kayak kit | $65.00 | $90.00 | NW Bamboo – Add $25 for shipping |
|  |  | **Total** |  | **$669.79** |  |

List of Suppliers

[Mayan Hardwood](http://www.mayanhardwood.com/) 2501 Oakwood Drive Paso Robles, CA 93446 (805) 238-0038

[The Skinboat Store](http://shop.skinboats.com/) 4744 Welch Lane, Anacortes, WA 98221 (360) 229-0804

[Tandy Leather](https://www.tandyleather.com/en/)

[Creston Sawmill](https://www.crestonsawmill.com/) 5000 Calf Creek Highway, Creston CA 93432 (805) 438-5005 I purchased custom milled redwood from this sawmill hoping that I would be able to steam bend it since it had not been kiln dried. My first attempts failed. I then tried soaking the redwood inside a 2” pvc pipe to which I added two capfuls of liquid Downy fabric softener. I have yet to see if this makes the wood more bendable when steaming.

[NW Bamboo](http://www.nwbamboo.com); I phoned Chris at 503 307-7098 and ordered his bamboo for kayak building kit. The cost was $65 plus $25 for shipping. Chris was quite helpful in directing me to the right product.

[Boat Designs.com](http://www.boatdesigns.com) Glen-L Marine Designs 9152 Rosecrans Avenue Bellflower, CA 90706 (888) 700-5007

[Amazon.com](http://www.amazon.com)

[Olympic Outdoor Center](https://www.olympicoutdoorcenter.com)

[Sergeant Knots](https://sgtknots.com/)

[Walmart](http://www.walmart.com)

[Miners Ace Hardware](http://local.acehardware.com/1751/Miners/)

[Cape Falcon Kayaks](http://www.capefalconkayaks.com) Email: [brian@capefalconkayaks.com](mailto:brian@capefalconkayaks.com) Cell Phone 503 354 4939

**Building Notes**

I have had a difficult time finding bendable lumber. The material often recommended, green (not kiln-dried) white oak, is not available in my area.

I attempted to bend kiln-dried lumber by soaking it in water for a week but that didn’t work. All samples split when bent to the tight radius needed for kayak ribs.

I purchased some green redwood but it cracked whether I steamed it for 10, 20 and 30 minutes.

For my next experiment, I will soak straight grain white oak in water with 2 capfuls of liquid Downy fabric softener. This tip comes from Dale Maley at

<https://www.youtube.com/watch?v=nuUBEIXjzxU>