

VANGUARD MODELS

BY CHRIS WATTON

****32ft Barge****

Recommended tools:

1. Sharp knife such as a scalpel, X-acto or Stanley.
2. Sanding sticks or abrasive papers (110 – 320 grade)
3. Steel rule
4. Needle/jeweller's files
5. Small clamps
6. Small tweezers
7. Masking tape (Tesa, Tamiya etc.)
8. Fine paintbrushes
9. Titebond I/II wood glue
10. Gorilla Glue CA gel

Recommended Paints etc.

1. Plastikote matt white spray
2. Plastikote matt black spray
3. Vallejo black and brown acrylics
4. Mr Metal Colour aluminium paint
5. Ronseal Matt Polyurethane varnish

1.

Place (no not glue) the bulkheads into their corresponding slot on the base. Your base will have numbers engraved onto it.



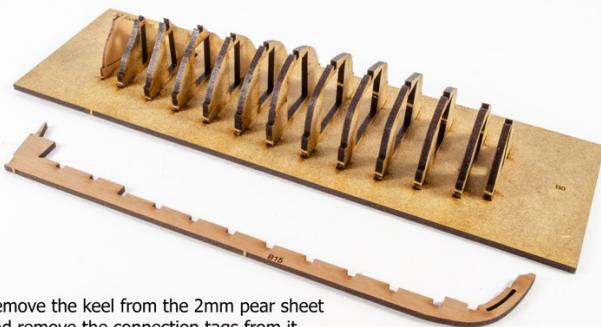
2.

The last bulkhead, B13, is made from 1mm pear wood. Slot this (no not glue) into the base, as shown here.



3.

Remove the keel from the 2mm pear sheet and remove the connection tags from it.



4.

Dry fit the keel in the bulkhead slots. You may need to joggle this around a little to make it sit properly. Once in place, brush a little glue into the keel/bulkhead joint.



5.



Glue the 1mm pear wood stern board, B14, into place on the keel as shown, and leave to thoroughly dry.

6.



As you can see, B14 sits in position on the keel as thus. It is raked at the same angle as the keel stern.

7.



Round the opposite sides of the two bow patterns, B14, found on the 2mm pear wood sheet.

8.



Glue the two bow batterns into place as shown here.

9.

Sand/Fair the bulkheads so that a plank will lay along them all with good surface contact as the plank curves towards the bow.



10.



Here, you can see how a plank lying across the bulkheads, should look.

11.



Planking the hull is very simple and not much tapering is needed. Another 4 rows are added without a taper. You can see pencil marks on the hull which show where the prototype was tapered from. You may need to add filler planks lower down. This is quite normal.

12.



When your hull is planked, sand it with paper around 110 grit, and progressing to finer sanding paper as you finish. If you need to use filler, consider a diluted acrylic filler that is easily sandable.

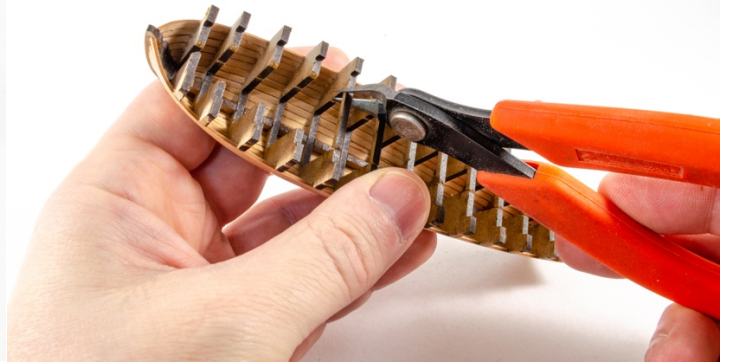
13.



The hull can now be removed from its base, and the base can be discarded.

14.

Snip out the bridges on each of the MDF bulkheads



15.

Now use pliers to carefully twist out the MDF bulkhead sides. You will leave the small MDF portion glued next to the keel.



16.

Use a razor saw or similar to carefully cut away the scrap area at the top of bulkhead #13



17.

Carefully remove any debris/glue from the insides of the hull, and use something like a sanding stick to even/flatten the top of the bulwarks.



18.

After cleaning the inside of the hull, use the rib strips and glue them to the interior as seen here. Final trimming can be made later. The ribs are positioned on marks that were made 6mm apart along top of the bulwark. You might find it useful to soak and bend the rib strips first leaving them to thoroughly dry before using.



19.

Make a pencil mark on the ribs, 5mm down from the top of the bulwarks and glue the seating strips underneath those marks. You can see here where that strip will be fitted.



20.

OPTIONAL: To create a wood finish to the PE floor sections, you can first apply a coat of Tamiya XF-59 Desert Yellow.

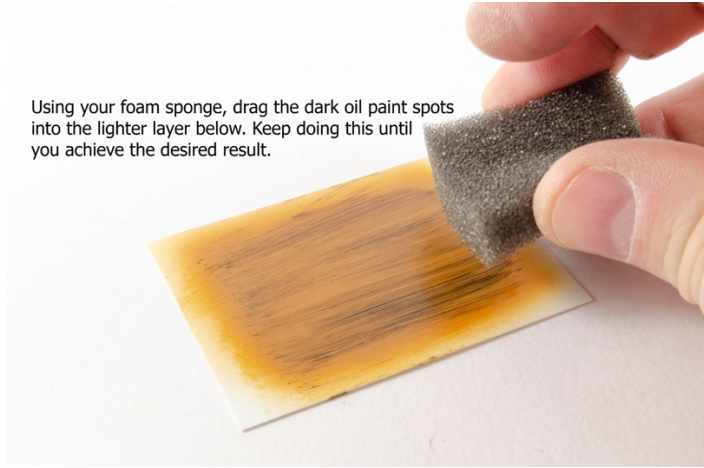




On top of the paint, you can now apply a very thin coat of Raw Sienna oil paint, using a piece of foam.



Spots of Raw Umber oil paint can now be randomly applied to the previous oil paint covering.



Using your foam sponge, drag the dark oil paint spots into the lighter layer below. Keep doing this until you achieve the desired result.



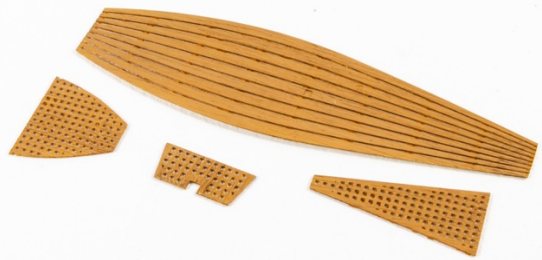
You can make your wood effect as subtle or coarse as you wish.



A fan brush could also be used to create knot effects and a more natural flow to the grain.

21.

If you use the oil drag wood grain method, set aside the parts to dry for between 24 and 48hrs.

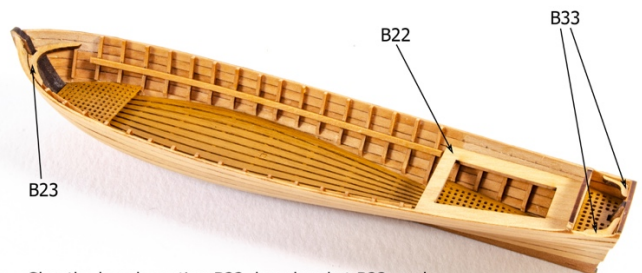


22.



Using superglue (CA), glue the floor/deck sections into place as seen here.

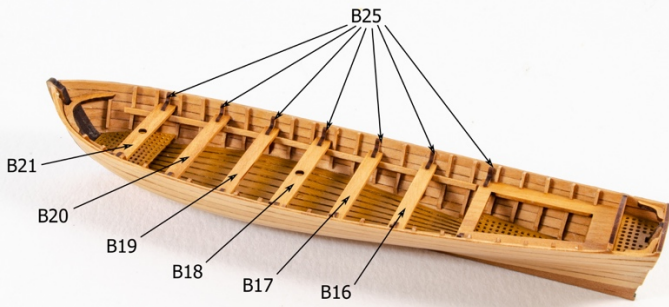
23.



Glue the bench seating B22, bow bracket B23, and stern knees B33 into position.

*please note that the stern knees will be incorrectly labelled as B23 on early kits

24.



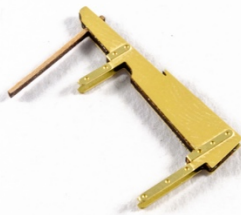
The benches can now be glued into position, B16 through to B21. Also glue the knees B25 into position.

25.



Remove the rudder B26 from the 1mm pear wood sheet and two rudder facings from the photo-etch sheet.

26.



Use CA to glue the facings to the rudder. We suggest CA gel as this gives the modeller time to get the part into precisely the correct position.

27.



After adding a waterline and painting the lower hull in white, two planking strips can be painted black and added as wales as shown. These fit 2mm down from the upper bulwark edge. With this in place, the rowlock positions can be cut into the upper plank. Next, fit the rudder.

28.



Use CA to glue the anchor together and then paint black.

29.



You are given the choice of using either photo-etch or wooden oars. If you use the wooden ones, sand the paddle to shape and slightly round the handle. To paint, we chose white for the handle with a varnished paddle. The paddle tip is painted in copper.

30.

Complete!



Glue the oars into position as shown and add the anchors to the rear area. Paint the book hook poles in a wooden colour and the hook in a metallic paint. You can fit these as shown, or how you prefer.

