

Permateek Pattern Making Instructions

We recommend that you obtain a pattern making kit from ourselves which will contain instructions, pattern making material (which is durable, non-stretch and is transparent enough for tracing) and marine grade high tack double sided tape or duct tape. Alternatively, you can weigh it down with our recommended weights.

Tip: If working outdoors it's best to choose a day that is not windy. It can also be helpful to have something at hand to weight the patterning material down.

Method

1. Cut small pieces of double sided tape from the roll and stick down at about every 60cm or so around the edge of the panel to be patterned, leave backing paper on at this stage. (fig 1).

Fig.1

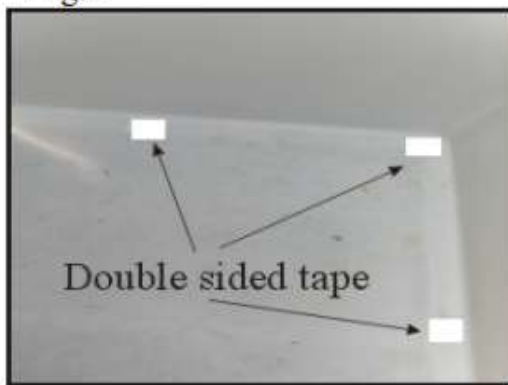


Fig 2



2. Roughly measure and cut the patterning material slightly oversized to the shape of the panel.
3. Lay the patterning material in place loosely or weigh down if it's damp or windy.
4. Working around the area bit by bit fold back the patterning material and remove the backing paper from the double-sided tape using the point of a Stanley type knife and stick down the pattern material keeping it flat and taunt without stretching around the corners, cut vertical slits into the paper so it lays flat. (see fig 2)
5. When you have stuck down the whole panel you can go back and lift the patterning material from the tape to reposition it until you have a flat smooth pattern.
6. Using a thin permanent marker or ball point pen, draw or dash a clear outline of the shape required (fig 2) alternatively on non-slip surfaces you can rub around the edge with a crayon.

Tip: If a panel is very large or is a difficult shape to pattern we advise to use several pieces of patterning material to make up the whole panel allowing for approximately 10cm overlap between pieces and stick them together in position with two lines of double sided tape.

7. Mark the outline of where any fittings are positioned together with any measurements. For examples access hatch 20cm radius.
8. Put a directional arrow on each panel indicating either bow or stern. (fig 3)
9. Where several panels are required it's important to draw straight lines right through the panels on the pattern to show their position in relation to one another for us to align planking. Label these lines A, B, C etc (fig 4).



10. Carefully remove the pattern from the tape then either cut out or cut around the marked line, refit onto the panel and check for accuracy and adjust as required.
11. On long thin panels over 2.5 metres it's important to have at least 1 straight line drawn down the entire length of the panel, more if needed. This is so we can re-align the pattern during manufacture.
12. For total accuracy create working templates from all the patterns in hardboard or 3mm foam board then check for fit and adjust as required.
13. Draw a simple layout sketch marking the position of the centre and reference lines and if possible attach a photo of the deck area.
14. Write on each panel the boat name, make, model, customers name and number.
15. Remove the pattern material and roll up. Remove the double-sided tape from boat immediately as it will become more difficult to remove later.

Check list:

1. Has the pattern been checked for accuracy?
2. Have you written all of your details on each panel?
3. Have you marked plank direction lines and stern on each panel?
4. Have you marked reference lines between each panel?
5. Have you drawn straight lines along length of long thin panels?