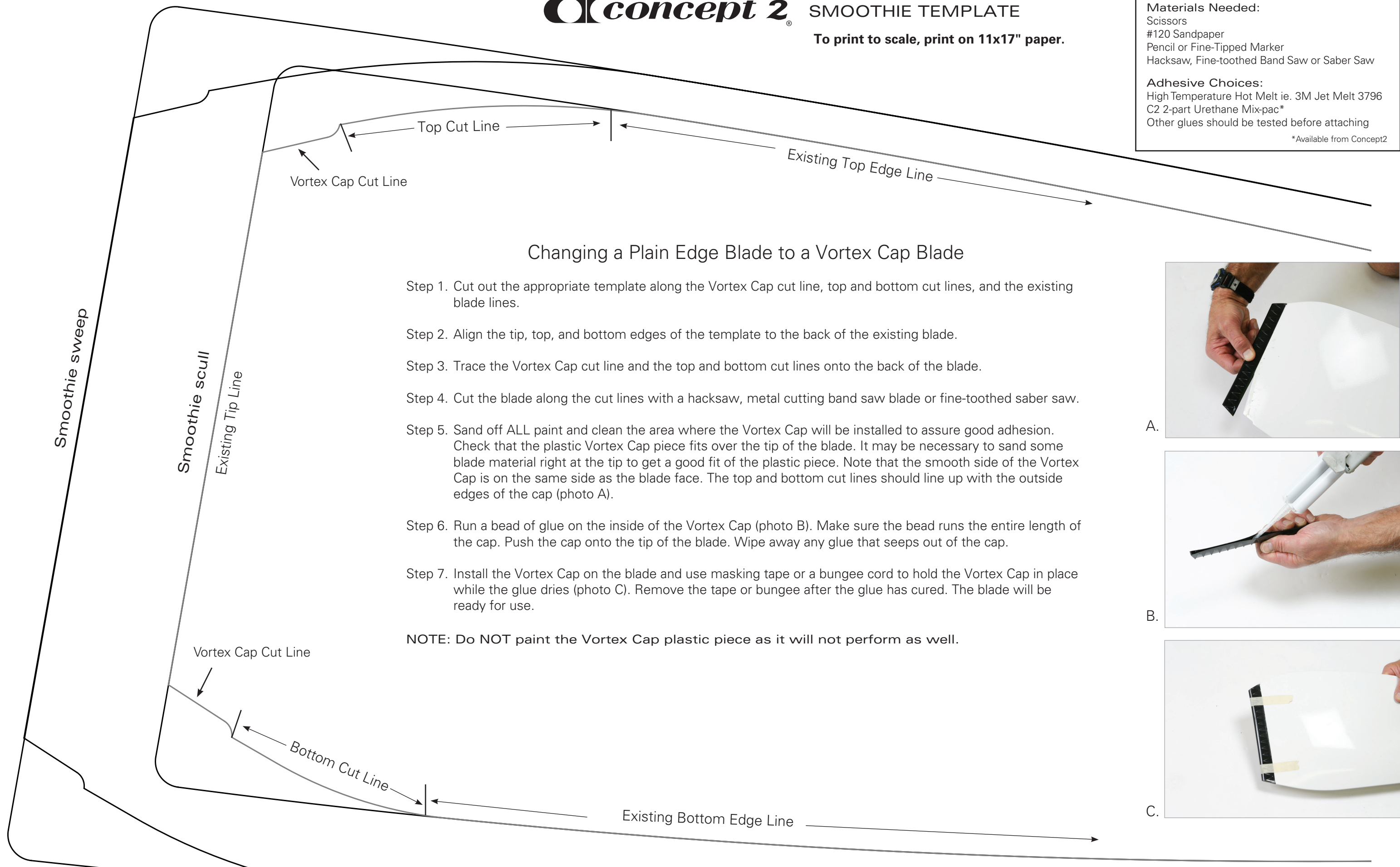


Materials Needed:
 Scissors
 #120 Sandpaper
 Pencil or Fine-Tipped Marker
 Hacksaw, Fine-toothed Band Saw or Saber Saw

Adhesive Choices:
 High Temperature Hot Melt ie. 3M Jet Melt 3796
 C2 2-part Urethane Mix-pac*
 Other glues should be tested before attaching

*Available from Concept2



Changing a Plain Edge Blade to a Vortex Cap Blade

- Step 1. Cut out the appropriate template along the Vortex Cap cut line, top and bottom cut lines, and the existing blade lines.
- Step 2. Align the tip, top, and bottom edges of the template to the back of the existing blade.
- Step 3. Trace the Vortex Cap cut line and the top and bottom cut lines onto the back of the blade.
- Step 4. Cut the blade along the cut lines with a hacksaw, metal cutting band saw blade or fine-toothed saber saw.
- Step 5. Sand off ALL paint and clean the area where the Vortex Cap will be installed to assure good adhesion. Check that the plastic Vortex Cap piece fits over the tip of the blade. It may be necessary to sand some blade material right at the tip to get a good fit of the plastic piece. Note that the smooth side of the Vortex Cap is on the same side as the blade face. The top and bottom cut lines should line up with the outside edges of the cap (photo A).
- Step 6. Run a bead of glue on the inside of the Vortex Cap (photo B). Make sure the bead runs the entire length of the cap. Push the cap onto the tip of the blade. Wipe away any glue that seeps out of the cap.
- Step 7. Install the Vortex Cap on the blade and use masking tape or a bungee cord to hold the Vortex Cap in place while the glue dries (photo C). Remove the tape or bungee after the glue has cured. The blade will be ready for use.

NOTE: Do NOT paint the Vortex Cap plastic piece as it will not perform as well.

