

Veneer Adhesive

These are the glues that I have chosen to use for adhering the veneer to the plastic. The plastic sample is made of PPS-CF from Polymaker. The first layer of veneer is glued to the plastic using the West Systems G/flex epoxy glue which claims to bond exotic woods. The next 2 layers of veneer are attached with the Ultra CAT urea resin veneer glue. The veneer used are 2 layers of Etimoe balance veneer and the top layer is American Walnut. The Walnut has 1 coat of Watco medium walnut stain applied. The second layer of veneer was rotated 90 degree from the first and last layers.

When the epoxy was used it bled through the veneer in several places. I used wax paper on the top to avoid the press from sticking to the veneer. I used 2 pieces of ply wood as the press and some clamps. Each layer was left to cure over night before the clamps were removed. The remainder of the Ultra CAT is shown in the plastic cup. Its about 1 week after and its turned extremely hard. The plastic is about 8mm thick and 3 layers of veneer about 1.5mm.

