

FuelCellStore

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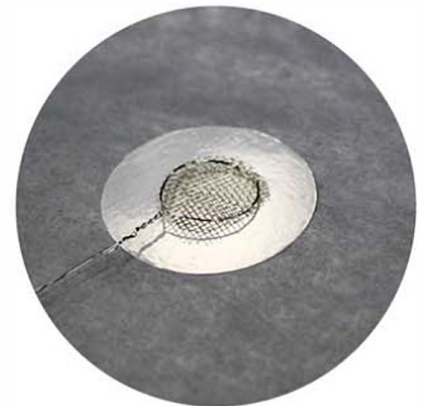
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TIPS FOR ADHERING INK



Step 1

Cut or punch out the metal mesh to the size/area that you want to test on your sample.



Step 2

Cut the contact wire to the desired length, with a loop around the perimeter of the mesh with the wire extending past the sample. Place cut mesh in the center of your sample & the looped wire on top of wire mesh.



Step 3

Apply the contact paste around the perimeter of the wire loop, apply a few drops across the mesh for best adhesion strength.



Step 4

Cut and place a straight piece of wire next to the mesh on the sample. Again, cover with ink for adhesion. This will allow for 4 point conductivity testing and a lead for measuring voltage, while the other draws the current.

Step 5

Dry in a 100°C oven for an hour or until the ink looks dry. Repeat all steps on the opposite side of the sample in the same area.

Step 6

Fire your sample to adhere your contact wires.
Firing conditions: 1°C per minute to 800°C, hold for 1 hr, cool to room temp. sample in the same area.