

## **Step 2 – Preparing the Foam -**

### **Overview**

Prepare the foam inserts using the 3D printed parts as cutting templates. The 3D printed parts serve as both the structural components of the cushion and the cutting templates for the foam.

### **Foam Requirements**

- Use 20 mm thick foam. The 20 mm thickness is essential to ensure the foam fits the sewn cushion cover.
- Foam density may be selected according to personal comfort and preference.

Note1:

If only 40 mm foam is available, cut it into two 20 mm layers before continuing.

### **Instructions**

**1. Place the printed parts-** Lay each of the three printed parts on top of the foam sheet.

**2. Trace the outline-** Using a marker, trace around each printed part onto the foam.

**3. Cut the foam-** Cut along the marked outlines using a sharp utility knife or an electric carving knife. **Repeat for all three cushion sections.**

**4. Check the fit-** Verify that each foam piece matches the corresponding printed part before proceeding to the sewing stage.



