

CoreMatrix Materials

PMI Foam Core Selection Worksheet

This worksheet helps frame an early PMI foam core discussion. It is not a final material specification.

1. Component and application

Describe the finished component and its application. Examples include aerospace, UAV, radome, antenna, automotive, railway, marine, wind-energy, medical, sports, and advanced composite structures.

2. Geometry

Identify whether the core is flat, curved, double-curved, CNC-featured, or complex 3D. Provide the available CAD model or drawing.

3. Composite process

Identify the expected process if known: prepreg, autoclave, RTM, VARTM, vacuum infusion, bonding, or another route.

4. Core preparation

Indicate whether the project requires CNC milling, routing, cutting, drilling, grooving, contouring, pre-cut parts, or thermoforming.

5. Data confirmation

Density, thickness, material grade, process window, technical values, and final supply conditions must be confirmed against project-specific requirements and the applicable technical datasheet.

Next step

Submit the completed information with a CAD drawing or technical specification through the CoreMatrix Materials RFQ pathway.