



**DYPLAST**  
FOAM CORE

## QWIK GUIDE: EXPANDED POLYSTYRENE FOAM CORES

### UNIQUE CREDENTIALS

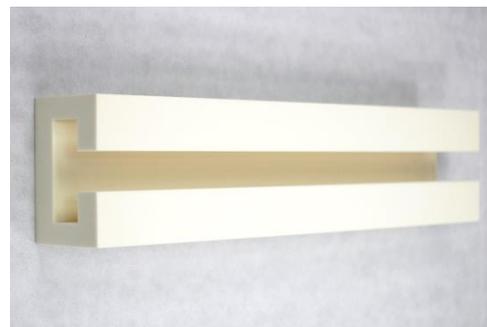
Dyplast has over *fifty years* of development and manufacturing experience with EPS (expanded polystyrene) rigid foam, enabling unmatched quality, customization, and application resiliency as foam cores for composite applications. Product physical properties are independently verified, and our quality processes audited. Our high production capacities, on-hand inventories, and just-in-time deliveries generate advantages for end-users while lowering per-unit costs. While most EPS manufacturers can compete only locally, Dyplast's transportation networks enable exceptional offerings that can be highly competitive.

### COMPREHENSIVE FABRICATION

Dyplast's EPS block molding processes produce densities from 1 through 2.0 lb/ft<sup>3</sup>, meeting demanding requirements across a spectrum of insulation, special shape, metal panel, and foam core applications. Down-stream fabrication capabilities include CAD and CNC equipment that can achieve unmatched flexibility and tolerance in blocks, sheets, edge routed panels, tapered sheets, and virtually any shape - - without voids.

### FOAM CORE APPLICATIONS

1. Composite panels with substrates (e.g. metal, fiber/resin, poly/plastic, or composites *laid-over* EPS cores)
2. Cores for Structural Insulated Panels (SIPS)
3. Laminated panels / Sandwich panels
4. Transportation/vehicle walls and floors
5. Customized form molds for concrete arches and other shapes in building applications
6. Special Cuts for customized applications
7. EPS/Polyiso sandwich cores
8. Cores for spa covers and similar applications



### INSULATION APPLICATIONS

1. Engineered roof deck systems
  - a. Lightweight Insulated Concrete Roofing Systems (HoleyBoard)
  - b. Capabilities to produce Tapered EPS pieces
2. Cavity wall insulating systems
3. Refrigeration/freezer/warehouse/transport panels
4. Insulated metal panels (IMPs)
5. EPS/polyiso sandwich panels for specialty walls



### OTHER APPLICATIONS

1. Geofoam blocks (light-weight structural replacement for fill for highways, bridges, ramps, embankments, stadium seating, landscaping, swimming pool foundations/decks, etc.)
2. Architectural Shapes (lightweight alternatives for balusters, cornices, moldings, columns, etc.)
3. Marine applications such as floatation
4. Special cuts for customized applications

