

EchoPanel File Requirements & Custom Cutting Guidelines

Maximum Artwork or Cut Part Dimensions

- 7mm = 47" x 105"
- 12mm = 46" x 94"
- 24mm = 70" x 94"

File Prep & Formats

- Vector files with joined anchor points (.ai or .eps format) submitted with an accompanying PDF
- AutoCAD generated files are best saved as **prior version DWG 2007** or earlier (this ensures file integrity and compatibility with Illustrator). Use **Polylines** and **Join Function** to create fully connected elements. CAD generated files with fragmented, faceted, overlapping or disconnected line segments require significant file prep and incur time delays for approval.
- Files should be 1:1 scale (100%) whenever possible. If too large, scale at 50% or 25% and note in file name and accompanying email.

Considerations

- **Radius** – 7mm and 12mm require at least 0.25" radius (note that some deflection may occur), 24mm requires 0.75" radius with deflection likely with curves under 1.25" radius
- **Nested Shapes & Intersecting Lines** – allow for at least 0.25" between shapes and intersecting lines (tangents) to reduce overcutting into adjacent parts. 24mm EchoPanel requires 0.375" (3/8") between elements.
- **Floating Parts or Hollow Shapes** – although EchoPanel can cut to many designs, it cannot float material that is not connected without any attachment points, for example the center of an "O" that is cut out.
- **Bevel Cuts and Vee Cuts** – these require additional distance (extra space) for the cutting blade to enter and exit the EchoPanel without deflection. Typically, this is about 1/2" perimeter added to all bevel edge patterns.

Custom 12mm EchoScreen Cutting

Kirei offers custom cutting of EchoScreens. Files must conform to all guidelines above. Please note that removing too much material on any one axis increases the likelihood of creasing, difficulties while handling and installation. Costs may increase depending on detail of custom design.

Contact Kirei for more information.