

## PRE-ORDER TECHNICAL NOTES

### TOUGHENING STAMPS

All arised edge toughened glass supplied by Express Toughening will have a face stamp located 25mm/25mm in the corner unless otherwise specified. All polished edge glass 6mm and above will have a line logo kite mark on the edge of the glass unless otherwise stated. Please state if you require any different pre-order but all toughened glass MUST have a stamp.

### TOUGHENED LAMINATE GLASS

Our bespoke toughened laminate glass will be laminated with an EVA interlayer. EVA offers a greater transparency and moisture resistance compared to PVB thus making it thermally and mechanically more steady thus less likely to delaminate.

### BACK PAINTED GLASS

Express Toughening recommend using low iron glass when painting as clear glass has an inherent green tinge. Low Iron glass will be supplied unless otherwise stated.

### POLISHED EDGES

We polish glass on either straight line edger's or our CNC. Shaped items tend to be polished on the CNC. We can offer other edge finishes such as a bull nose upon request.

### CUT OUTS

Internal radius is dependent on internal finish required. If the finish is arised the cut out will have a minimum of 7mm internal radius and if polished it will be a minimum of 14mm. Please inform us which you require at the time of ordering.

### DRILL HOLES

Hole locations on toughened glass can be pivotal to the success of the toughening process. Some guidelines are as such;

- Distance from edge of glass to edge of hole must be at least 1.5x thickness of glass.
- Holes in the corners must be 4x thickness of glass from one edge and at least 1.5x thickness from the other edge.
- Holes must be minimum of the glass thickness.

### CORNERS

When glass is processed with polished edges the corners will be sharp as standard. This can be nullified by applying a dubbed or radius corner. All radius corners will be processed on our CNC machine. Your option needs to be specified at order stage.

### TEMPLATES

Any templates supplied should be hardboard and exact finish with any holes or cut outs in the correct locations. Where possible these shall be returned when delivering your order.

### DRAWINGS

Our in house computer aided design (CAD) team can convert any sketches into PDF and DXF production files where possible. Preferably we can accept your own CAD files in DWG or DXF format for production.

### TOLERANCE

We work to +/- 2mm on glass size, drill hole and cut out locations.

### DELIVERIES

Where possible Express Toughening shall deliver with their own transport but some regions we have to outsource delivery via a fragile goods courier – this increases lead time by a few days. We can deliver on wooden or craneable A-Frames upon request. Where parking/unloading restrictions apply please state at quote stage so we can price correctly. Deliveries are curb side only – the customer is responsible to unload and move the glass without the assistance of our driver unless prior arrangements are made.

### PLEASE NOTE

Any templates supplied should be hardboard and exact finish with any holes or cut outs in the correct locations. Where possible these shall be returned when delivering your order.