

# **LDF**

## **LOW DENSITY FIBREBOARD**

## Customwood LDF Panel

Borg Manufacturing is now offering a stocked range of Ultrathick LDF panels, specifically designed to suit the commercial door market. Key features and benefits include:

- MR E-Zero resin type, to ensure the product is compatible with commercial projects that demand E-Zero emission panels.
- 925mm width available in each thickness to ensure finished doors are in compliance with wheelchair access regulations.
- Door manufacturers can save the time and expense involved in laminating thinner MDF panels together to build up doors thicker than 32mm.
- AFS Chain of Custody certified – AFS/01-31-145 (Certificate No. 251)

## Product Range

Borg Item number	Resin	Thickness	Actual Size	Invoice Size	Sheets per pack	Sheet Weight
<b>Customwood LDF Panel</b>						
601177	MR E-Zero	32.8mm	2720 x 925	2700 x 900	22	47.0
601194	MR E-Zero	35mm	2720 x 925	2700 x 900	22	50.2
601117	MR E-Zero	39mm	2720 x 925	2700 x 900	18	55.9
601118	MR E-Zero	39mm	2720 x 1215	2700 x 1200	18	73.5
601123	MR E-Zero	44mm	2720 x 925	2700 x 900	16	63.1
601122	MR E-Zero	44mm	2720 x 1215	2700 x 1200	16	82.9

## Recommended Fixing

When used in a solid door application, we strongly recommend the following fixing method, which is in line with the best practice already employed for hanging solid MDF doors.

1. 40mm long wood screws should be used.
2. 3mm diameter full depth pilot holes should be drilled.
3. 4 hinges should be used – bottom / middle / double hinged at the top. be said for imported products. In many countries there are no mandatory standards or legislations limiting formaldehyde from wood products.

## Technical Specifications

<b>Density</b>	570 kg/m <sup>3</sup>	average
<b>Internal Bond</b>	370 kPa	minimum
<b>Thickness Sweel</b>	7%	maximum
<b>Thickness Tolerance</b>	± 0.3 mm	
<b>Formaldehyde</b>	0.5 mg/L (E-Zero)	maximum
<b>Resin Type</b>	Moisture Resistant	

The following criteria should be applied for hinged installation of 2700mm high solid LDF doors:

### HINGES

<b>Type:</b>	Flat profile Non Mortice
<b>Size:</b>	100m
<b>Pin Type:</b>	Fixed or Loose
<b>No. of Screws:</b>	Minimum of three (3) into door edge Minimum of three (3) into door jamb
<b>No. per Door:</b>	Four (4)
<b>Hinge Placement:</b>	Double hinge at top 1st hinge at approximately 125mm from top of door 2nd hinge at approximately 350mm from top of door (ensure allowance for pin removal if loose pinned) 3rd hinge approximately at vertical midpoint of door 4th hinge at 150 - 250mm from bottom of door (See attached diagram)

### SCREWS

<b>Type:</b>	Parallel Shank, Type AB point, Countersunk or equivalent
<b>Gauge:</b>	8G or 10G according to hinge manufacturers recommendation
<b>Length:</b>	50mm / 2 inch
<b>Pilot Hole Depth:</b>	50mm / 2 inch (screw length)
<b>Pilot Hole Diameter:</b>	8G pilot hole should be 2.5 – 2.8mm 0G pilot hole should be 3mm

**Approximate Hinge Positions**

