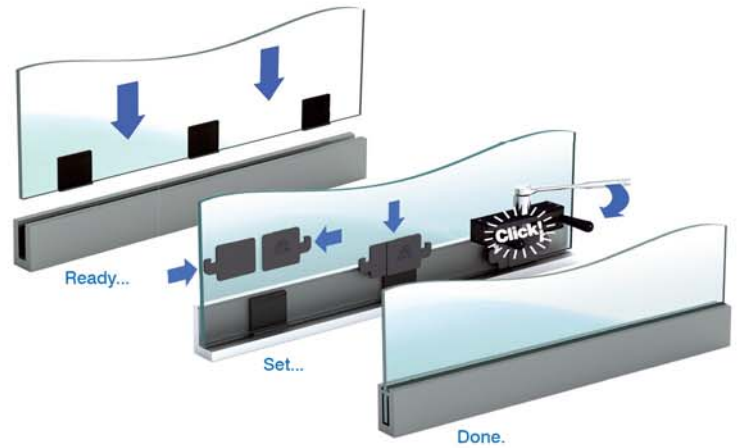


Test date: 23rd April 2014



## Freestanding glass barrier Tested To BS6180:2011

Ref: CRLTL0028

### Components

Clamping rail:	C.R.L TAPERLOC® L68S10D (surface mounted aluminium base shoe profile).
Glass	16.89 mm laminated toughened glass comprising of 2 plies of 8 mm toughened glass laminated with a 0.89 mm Dupont SGP interlayer.
TAPERLOC® wedges	Spaced at 230 mm centres
Handrail:	Continuous (as described in BS 6180:2011) Top rail continuously seated, or through glass fixed rail with minimum two connector brackets per pane not more than 1000 mm apart.

**Intended load resistance:** 0.74 kN/m line load, 0.5 kN/m concentrated load, 1.0 kN/m<sup>2</sup> uniform load.

### Test sample

Pane size	1100 mm wide x 1195 mm high.
Clamping rail position	Bottom edge of profile installed at finished floor level.
Load application	1100 mm above finished floor level.

### Test results

Load	Results
0.74 kN/m line load applied across whole width of pane	Deflection 14.9 mm
0.5 kN concentrated load applied at centre of width of pane	Deflection 11.5 mm
1.11 kN/m line load applied across whole width of pane	No failure, no permanent distortion
0.75 kN concentrated load applied at centre of width of pane	No failure, no permanent distortion

### Range of applicability

Suitable for any pane width greater than 450 mm, provided there is a continuous handrail.  
Suitable for pane heights up to 1500 mm above finished floor level, subject to a wind load resistance check if used externally.

### Usage constraints

Not appropriate if mounted with the top edge of the clamping rail more than 10 mm below finished floor level.  
LTL96X TAPERLOC® wedges installed at 230 mm are required to meet the BS6180:2011 loadings.

Signed



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