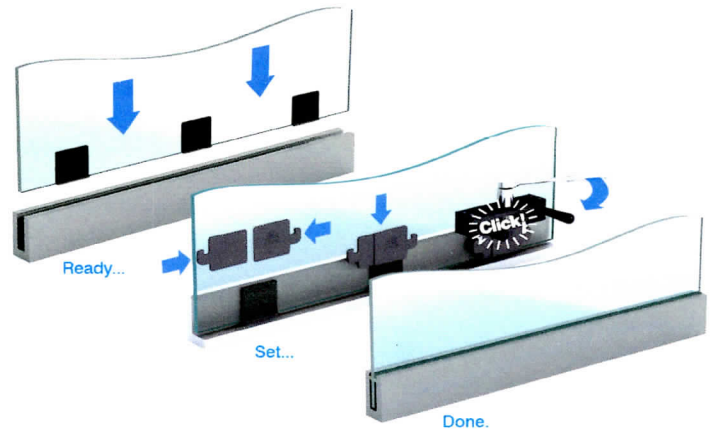


Test date: 20th May 2013



## Freestanding glass barrier Tested To BS6180:2011

Ref: CRLTL0009

### Components

|                  |  |
|------------------|--|
| Clamping rail:   | C.R.L TAPERLOC® L56S10D (surface mounted aluminium base shoe profile).   |
| Glass            | 13.5 mm laminated toughened glass comprising of 2 plies of 6 mm toughened glass laminated with a 1.52 mm PVB (Polyvinyl Butyral Interlayer).                                     |
| TAPERLOC® wedges | Spaced at 230 mm centres   |
| Handrail:        | Continuous (as described in BS 6180:2011)<br>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:** 0.36 kN/m line load, 0.25 kN/m concentrated load, 0.5 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                             |
|--|-------------------------------------|
| 0.36 kN/m line load applied across whole width of pane       | Deflection 29.3 mm                  |
| 0.25 kN concentrated load applied at centre of width of pane | Deflection 15.0 mm                  |
| 0.54 kN/m line load applied across whole width of pane       | No failure, no permanent distortion |
| 0.38 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.

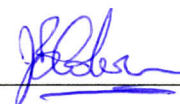
### Usage constraints

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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