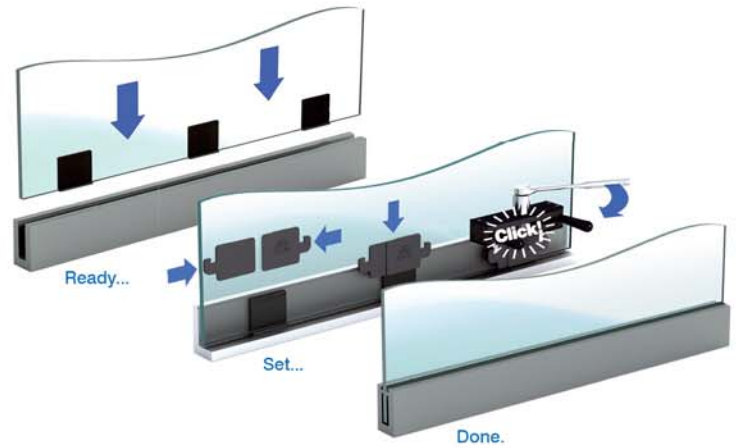


Test date: 23rd April 2014



Freestanding glass barrier Tested To BS6180:2011

Ref: CRLTL0029

Components

Clamping rail:	C.R.L TAPERLOC® L21S10D (surface mounted aluminium base shoe profile).
Glass	20.89 mm laminated toughened glass comprising of 2 plies of 10 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: 1.5 kN/m line load, 1.5 kN/m concentrated load, 1.5 kN/m² 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
1.5 kN/m line load applied across whole width of pane	Deflection 21.9 mm
1.5 kN concentrated load applied at centre of width of pane	Deflection 21.5 mm
2.25 kN/m line load applied across whole width of pane	No failure, no permanent distortion
2.25 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.
LTL10X TAPERLOC® wedges installed at 230 mm are required to meet the BS6180:2011 loadings.

Signed



Simon J Boocock
Managing Director

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