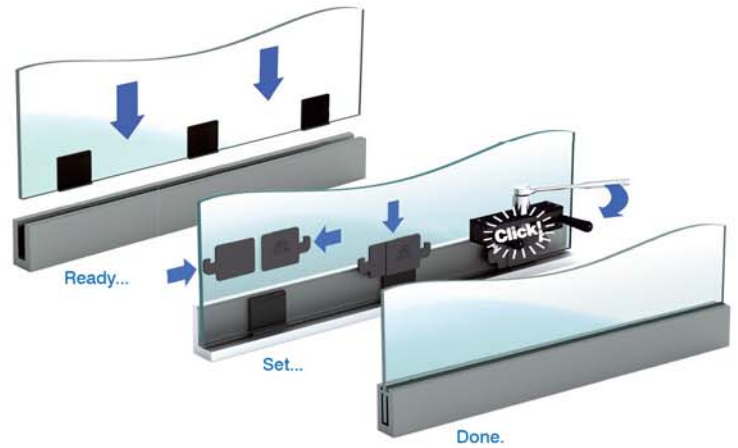


Test date: 23rd April 2014



Freestanding glass barrier Tested To BS6180:2011

Ref: CRLTL0032

Components

Clamping rail:	C.R.L TAPERLOC® L25S10D (surface mounted aluminium base shoe profile).
Glass	25.5 mm laminated toughened glass comprising of 2 plies of 12 mm toughened glass laminated with a 1.52 mm Dupont SGP interlayer.
CRL Kwixset Cement:	Mixed and poured to completely fill void between base shoe and glass
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: 3.0 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
3.0 kN/m line load applied across whole width of pane	Deflection 22.0 mm
1.5 kN concentrated load applied at centre of width of pane	Deflection 11.0 mm
4.5 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.
CRL Kixset used to fix the glass within the base shoe to meet the BS6180:2011 loadings.

Signed



Simon J Boocock
Managing Director

C.R. Laurence of Europe Ltd, Charles Babbage Avenue, Kingsway Business Park, Rochdale, OL16 4NW