

Press release

18th June 2009

tdsl Viscount Plus doors gain further proof of performance

Following extensive testing for durability and fire resistance in 2004, door manufacturer tdsl has recently completed further durability testing on its Viscount Plus doorset range with Chiltern Dynamics, greatly extending its scope by testing different hardware and other options to give clients wider choice.



In the original test programme, a Viscount Plus door first achieved a 'severe duty' classification based on testing against Chiltern Dynamics' *Classification for Service Life* test programme (CDTM01). The same door then successfully completed a 30-minute fire resistance test under *BS 476: Part 22* with Chiltern International Fire.

Proof that clients have been impressed by the portfolio of test evidence tdsl can now offer is the fact that thousands of Viscount Plus fire doors will be installed this year in major hospital projects in Mansfield, Derby, Walsall and the new Royal London Hospital in Whitechapel.

The Chiltern Dynamics *Classification for Service Life* test programme incorporates elements from a number of British and European Standards (*DD171: 1987*, *PAS 23:1999*, *EN 1191*, *EN 1192* and *EN 12400:2002*). Testing includes a wide range of performance characteristics, including:

- Vertical load
- Static Torsion
- Soft and heavy impact
- Hard body impact
- Slamming shut
- Slamming open
- Closure against obstruction
- Resistance to jarring and vibration
- Abusive force on handles
- Operating forces
- Cycling (500,000 opening and closing cycles)

Performance against these characteristics allows the door to be classified in terms of its duty. 'Severe' is the most demanding classification and relates to the sort of wear and tear typical of cross-corridor locations in hospitals, schools or large offices.

Doors in these locations will also have to demonstrate fire resistance because, in the event of fire, they would play a vital role in controlling fire spread and protecting evacuation and access routes.

Frank Gallagher, tdsI Sales & Marketing Director, said. 'We have replicated a true "cradle to grave" scenario that gives clients not only a guarantee of performance but full scale test evidence on which they can calculate with greater certainty the life cycle cost of the doorset.'

For further information about

- Performance testing for doors and windows with Chiltern Dynamics email pandrews@chilterndynamics.co.uk or telephone 01494 564895
- Fire testing with Chiltern International Fire email cif@chilternfire.co.uk
- Viscount Plus fire door range email frank.gallagher@tds-l.com or visit www.tds-l.com