



Halspan Doors

Tried and tested for total peace of mind



Hard as Halspan

You've heard the expression 'hard as nails'. Well, we'd like to introduce you to another one – 'hard as Halspan'.

Every Halspan door assembly, you see, has been tried and tested to destruction. And each one is as durable and hardwearing as they come.

Why is that important? Because if a door assembly can't withstand the daily wear and tear it's subjected to, it won't be fit for purpose. And for a fire door, that means it won't save lives.

Tried and tested

Doors have to fulfill a variety of different functions. Think about it for a second... the humble door could be called upon to provide some or all of these benefits: security, sound reduction and a thermal barrier, as well as resistance to fire and smoke. Last but not least, they may also need to look good.

Provided they're specified, manufactured, installed and maintained correctly, there's only one thing that can prevent a door assembly from fulfilling ALL of these functions – durability.

Unless a door assembly is robust enough to withstand its daily use, it won't keep you safe or comfortable; it won't protect you from smoke and it won't save your life in the event of a fire.

Halspan door assemblies, you'll be relieved to hear, won't let you down.

How can we – and you – be sure?

Partly because they're made from a unique 3-layer particle board, manufactured using a complex combination of chemical and engineering development.

But mostly because every Halspan door assembly is subjected to rigorous, independent mechanical and durability tests.

They're tested for:

- vertical load
- static torsion
- soft and heavy body impact
- hard body impact
- slamming shut
- slamming open
- closure against obstruction
- resistance to jarring and vibration
- abusive force on handles
- operating forces
- cycling – as an indication of anticipated service life.



Top performance guaranteed

Depending on how a door assembly performs, it will be awarded one of four classifications:

LD**LIGHT
DUTY**

Low frequency of use by those with a high incentive to exercise care – small chance of accident occurring or misuse.

MD**MEDIUM
DUTY**

Medium frequency of use primarily by those with some incentive to exercise care – some chance of accident occurring or misuse.

HD**HEAVY
DUTY**

High frequency of use by public and others with little incentive to exercise care. Chance of accident occurring and misuse.

Our entire range achieved the highest grading possible in the British Standard of Mechanical Tests for 'hinged or pivoted doors':

SD**SEVERE
DUTY**

Subject to frequent or violent usage.



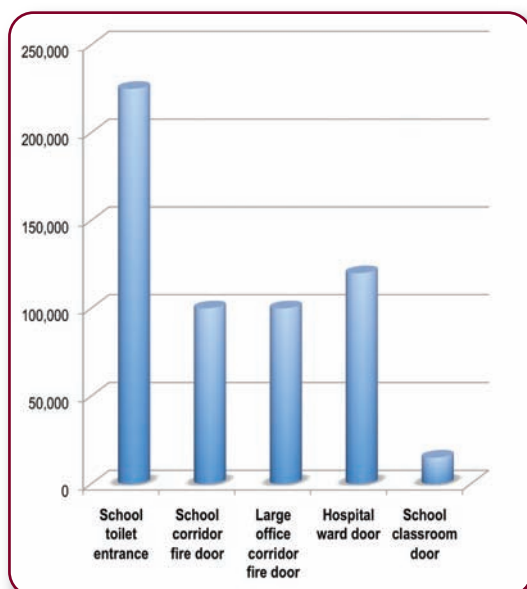
Tried and Tested

And then there's Halspan doors...

So if you want a door assembly that will continue to do what it's meant to, time and time again, no matter what you throw at it, insist on Halspan.

What do we mean by time and time again? The independent organisations responsible for testing stipulate the following usage figures.

So for a door in a school toilet entrance, for example, we're looking at 225,000 operating cycles per annum!



Tried, tested and certified

Halspan door assemblies aren't just tested for durability. Their fire resisting capabilities and acoustic performance are also tested. And guaranteed! For more information, ask for a copy of our 'Say hello to Halspan' brochure.

Chilt/P03031/A: 44mm Halspan Prima door leaf in a MDF frame single leaf

Summary of testing procedure	Result
DD1171 Clauses 4.3, 4.4, 4.9, 4.10, 4.11	Severe Duty
EN947, EN948, EN949 AND EN950	Severe Duty
EN1191 (with classification according to EN 12400)	Completed 500,000 cycles* Class 7, Heavy duty (key operation for 215,000 cycles)
Operating forces evaluated according to PAS 23 Clause 6.3 throughout testing	

Chilt/P03031/E: 54mm Halspan Prima door leaf in a European Redwood frame single leaf

Summary of testing procedure	Result
DD1171 Clauses 4.3, 4.4, 4.9, 4.10, 4.11	Severe Duty
EN947, EN948, EN949 AND EN950	Severe Duty
EN1191 (with classification according to EN 12400)	Completed 250,000 cycles, Class 6, Frequent Duty
Operating forces evaluated according to PAS 23 Clause 6.3 throughout testing	

Chilt/P03031/F: 54mm Halspan Prima door leaf in a European Redwood Frame double Leaf

Summary of testing procedure	Result
DD1171 Clauses 4.3, 4.4, 4.9, 4.10, 4.11	Severe Duty
EN947, EN948, EN949 AND EN950	Severe Duty
EN1191 (with classification according to EN 12400)	Completed 250,000 cycles, Class 6, Frequent Duty
Operating forces evaluated according to PAS 23 Clause 6.3 throughout testing	

Tried and Tested

Chilt/P04083: 44mm Halspan Optima door leaf in a European Redwood frame single leaf double acting

Summary of testing procedure	Result
DD1171 Clauses 4.3, 4.4, 4.9, 4.10, 4.11	Severe Duty
EN947, EN948, EN949 AND EN950	Severe Duty
EN1191 (with classification according to EN 12400)	Completed 250,000 cycles, Class 6, Frequent Duty
Operating forces evaluated according to PAS 23 Clause 6.3 throughout testing	

44mm Halspan Prima door leaf in a European Redwood frame single leaf double acting

DD171 test clauses	Performance Requirement	Category of duty achieved
A.8 Slamming open impact test	As specified in clause 4.4, table 3 of the standard	Severe duty
A.13 Closure against obstruction test	As specified in clause 4.8, table 8 of the standard	Severe duty
A.14 Resistance to jarring and vibration test	As specified in clause 4.2, table 9 of the standard	Severe duty*

BS EN 1192 test method	Performance Requirement	Category of duty achieved
EN 947 Resistance to vertical loads (clause 4.2)	As specified in table A1 of EN 1192:2000	Severe duty*
EN 948 static torsion test (clause 4.3)	As specified in table A1 of EN 1192:2000	Severe duty
EN 949 Heavy Body impact (clause 4.4)	As specified in table A1 of EN 1192:2000	Severe duty*

*Note that the loads and impacts for these tests were taken beyond the requirements of the duty ratings in the standards.



A name you can trust

Established over a decade ago, Halspan very quickly built up a reputation for innovation.

First, we developed an entirely new way of constructing a door – using door blanks made from 3-layer particle board. We were also the first company to offer a full range of testing. We didn't just test one door blank to see whether it could be used as a fire door – we tested every conceivable door configuration and mode.

Since then we've stayed firmly at the forefront of our industry, continually exploring and developing new products to suit both the changing demands for buildings and the environment.

We've been just as active – and proactive – on the service side. Designed to make it easier and quicker to specify the right doors for the job, our Product Selector Tool is free for anyone to use on our website.

Today, Halspan is one of the world's leading suppliers of quality door components, catering for customers in the education, healthcare, hospitality, industrial, commercial, residential, retail and Government sectors on all five continents.

For an unrivalled range of timber fire doors, glass, fire glass, fire-rated steel frames and now seals and hardware, say hello to Halspan.



