

fitrite  
decking & fencing

## Accreditations Explained



For more information on Fitrite decking & fencing:  
tel: 0845 402 5502      web: [www.fitrite.info](http://www.fitrite.info)

Fitrite Decking & Fencing ® has been tested extensively to ensure that it is completely fit for purpose and that it offers high performance and absolute safety to the end consumer. The tests are explained in this leaflet.

## Accreditations Explained

### BS476: Part 7: 1997 – Fire tests on building materials and structures



This test measures the rate and extent of flame spread. Fitrite deckboard was subjected to the fire test, with the grain running both vertically and horizontally. The run of the grain did not affect the performance of the deckboard, and it was awarded with a Class 1 Fire Rating.

What this means to the consumer . . .

The Class 1 Fire Rating offers owners the assurance that it is highly unlikely that a Fitrite deck will ever set alight. Should this happen, the PVC-U will self-extinguish and will not fuel the fire in the same way that wooden decking and fencing would do. Homeowners can barbeque in confidence and commercial users can be sure that their customers are in safe hands on a Fitrite deck.

### BS 6399-1:1996 – Code of practice for dead and imposed loads – Balustrades

For domestic and commercial applications, barriers or balustrades should be installed where there is a difference in ground level greater than 600mm and 380mm respectively. BS 6399-1 tests the suitability of balustrades to prevent people from falling from areas subject to overcrowding e.g. a Fitrite deck. Extreme pressure was exerted at various points on the balustrade, and the sample passed the BS 6399-1 test.

What this means to the consumer . . .

Quite simply, Fitrite balustrades will protect people from falling from the deck. Users can lean on the balustrades without the risk of them breaking or collapsing, and this accreditation will certainly appeal to domestic or park home users who want to keep their children safe when they play outdoors.

\* Test carried out on balustrades incorporating aluminium reinforcing

### Static Load Test on free standing deck structure

The Static Load Test measured how much static weight a Fitrite deck could withstand until it collapsed. The deck comfortably held six tonnes of static weight, and only collapsed when half of the load was dynamically dropped four times!

What this means to the consumer . . .

This will be music to the ears of commercial customers who will hope for as many people using their Fitrite installation as possible. Similarly domestic and park home users can safely use heavy garden furniture on the deck, such as tables, chairs, patio heaters and barbeques, to entertain as many friends as they can gather.

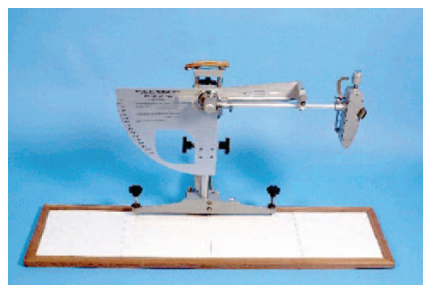
\* Test carried out on a deck supported by a made-to-measure galvanised steel subframe (manufactured by Sash UK).

All images are for demonstration purposes only

All product certification apply solely to the Fitrite product and not the supplier.

### BS7976-2 – The Pendulum Test – for skid resistance and slip potential

Fitrite deckboard demonstrated low slip potential during wet and dry test conditions, when tested using BS7976-2. The test produces a Pendulum Test Value (PTV) and a value above 36 indicates a low slip potential. In wet and dry test conditions, Fitrite deckboard produced PTV's of 48 and 55 respectively.

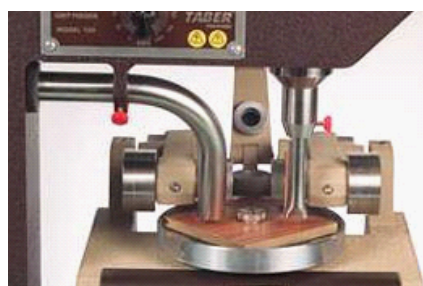


What this means to the consumer . . .

The slip resistant qualities of Fitrite mean that owners need not worry about using their deck during, or after, wet weather; something which we are more than familiar with in the UK! Similarly, the slip resistance of Fitrite combines with its water resistant properties to offer a perfect poolside surface which is safe for adults and children alike. Importantly, Fitrite is also ideal for constructing entrance ramps and steps to increase accessibility without compromising on safety or style.

### BS EN 660-2 – The Frick-Taber Test – for wear resistance

The Frick-Taber Test, or Volume Loss Method, determines the wear resistance of resilient floor coverings. Wear resistance is determined by the volume of material lost during extreme abrasion tests. Fitrite deckboard demonstrated good wear resistance, recording a volume loss of more than 2mm<sup>3</sup> but less than 4mm<sup>3</sup>. The results are then assessed against the specifications of BS EN 649 – homogeneous and heterogeneous polyvinyl chloride floor coverings.



What this means to the consumer . . .

The impressive durability of Fitrite means that it will look as good as new, even after very heavy commercial or even light industrial use. The remarkable wear resistance means that the wood-grain effect is not lost, nor is the low slip potential. Try as they may, children and animals will not damage the deck as it withstands the rough and tumble of every day living, as well as more special occasions such as garden parties and al fresco lunches.