



Future Products Ltd.

Enterprise Road,
Millennium Business Park,
Mansfield,
Nottinghamshire,
NG19 7JX.

402105
2nd October 2018

Confirmation of Test Results, Fire Resistance Test in Accordance with BS 476 Part 22: 1987.

We confirm the results obtained from a fire resistance test that has been conducted in accordance with BS 476: Part 22: 1987, Clause 6 on Tuesday 24th July 2018. The test was performed on two single acting, single leaf composite doorsets. The test was performed on behalf of Future Products Limited the test sponsor.

For the purpose of the test the doorsets were referenced **Doorset A** and **Doorset B**.

Doorset A briefly had overall nominal dimensions of 2130 mm high by 1000 mm wide and incorporated a door leaf with nominal dimensions of 2030 mm high by 885 mm wide by 48 mm thick. The leaf was formed from a Kerto Cross bonded veneered timber, faced both sides by a PVC-u skin and hung on three steel hinges within a composite frame, formed from Liniar Profile LSW016 PVC-u extruded sections with internal Kerto timber reinforcement.

- A GU Slam lock multipoint lock with top, bottom and centre latch, deadbolt connected to a Ultion 3 star, solid secure diamond cylinder and a zinc lever handleset,
- An Astra 4000 series jamb mounted concealed closer.
- A metal bodied glass door viewer.
- A Nu Mail Fire letter plate with security cowl.
- A surface mounted door knocker.
- A Proline AM3 aluminium mobility threshold

Doorset B briefly had overall nominal dimensions of 2130 mm high by 1000 mm wide and incorporated a door leaf with nominal dimensions of 2030 mm high by 885 mm wide by 48 mm thick. The leaf was formed from a Kerto Cross bonded veneered timber, faced both sides by a PVC-u skin and featured a Pyrodur vision panel with an overall nominal sight size of 890 mm high by 525 mm wide. The door leaf was hung on three steel hinges within a composite frame, formed from Liniar Profile LSW016 PVC-u extruded sections with internal Kerto timber reinforcement.

- A GU Slam lock multipoint lock with top, bottom and centre latch, deadbolt connected to a Ultion 3 star, solid secure diamond cylinder and a zinc lever handleset,
- An Astra 4000 series jamb mounted concealed closer.
- A metal bodied glass door viewer.
- A Nu Mail Fire letter plate with security cowl.
- A surface mounted door knocker.
- A Proline AM3 aluminium mobility threshold

Both doorsets orientated such that they opened towards the furnace conditions with all three latches engaged for the duration of the test.

The specimens satisfied the performance requirements specified in BS 476: Part 22: 1987 Clause 6, for the following periods:

Test Results:	Doorset A	Doorset B
Integrity performance	36 Minutes	33 Minutes
Insulation performance	36 Minutes	32 Minutes

*The test duration. The test was discontinued after 36 minutes.

This letter provides brief details of a test conducted in accordance with a recognised BS test method, prior to the issue of the test report. Whilst the letter may be used to demonstrate a test has been conducted and the achieved results it cannot be used to demonstrate full compliance with the Standard which requires the issue of a formal report.

Yours sincerely,



Dan Fitzsimmons
Senior Technical Officer – Fire Resistance Department
Exova Warringtonfire
Testing. Calibrating. Advising.



Future Products Ltd.

Enterprise Road,
Millennium Business Park,
Mansfield,
Nottinghamshire,
NG19 7JX.

403720
2nd October 2018

Confirmation of Test Results, Fire Resistance Test in Accordance with BS 476 Part 22: 1987.

We confirm the results obtained from a fire resistance test that has been conducted in accordance with BS 476: Part 22: 1987, Clause 6 on Wednesday 26th September 2018. The test was performed on two single acting, single leaf composite doorsets. The test was performed on behalf of Future Products Limited the test sponsor.

For the purpose of the test the doorsets were referenced **Doorset A** and **Doorset B**.

Doorset A briefly had overall nominal dimensions of 2130 mm high by 1000 mm wide and incorporated a door leaf with nominal dimensions of 2030 mm high by 885 mm wide by 48 mm thick. The leaf was formed from a Kerto Cross bonded veneered timber, faced both sides by a PVC-u skin and hung on three steel hinges within a composite frame, formed from Linar Profile LSW016 PVC-u extruded sections with internal Kerto timber reinforcement.

- A GU Slam lock multipoint lock with top, bottom and centre latch, deadbolt connected to a Ultion 3 star, solid secure diamond cylinder and a zinc lever handleset,
- An Astra 4000 series jamb mounted concealed closer.
- A metal bodied glass door viewer.
- A Nu Mail Fire letter plate with security cowl.
- A surface mounted door knocker.
- A Proline AM3 aluminium mobility threshold

Doorset B briefly had overall nominal dimensions of 2130 mm high by 1000 mm wide and incorporated a door leaf with nominal dimensions of 2030 mm high by 885 mm wide by 48 mm thick. The leaf was formed from a Kerto Cross bonded veneered timber, faced both sides by a PVC-u skin and featured a Pyrodur vision panel with an overall nominal sight size of 890 mm high by 525 mm wide. The door leaf was hung on three steel hinges within a composite frame, formed from Linar Profile LSW016 PVC-u extruded sections with internal Kerto timber reinforcement.

- A GU Slam lock multipoint lock with top, bottom and centre latch, deadbolt connected to a Ultion 3 star, solid secure diamond cylinder and a zinc lever handleset,
- An Astra 4000 series jamb mounted concealed closer.
- A metal bodied glass door viewer.
- A Nu Mail Fire letter plate with security cowl.
- A surface mounted door knocker.
- A Proline AM3 aluminium mobility threshold

Both doorsets orientated such that they opened away from the furnace conditions with all three latches engaged for the duration of the test.

The specimens satisfied the performance requirements specified in BS 476: Part 22: 1987 Clause 6, for the following periods:

Test Results:	Doorset A	Doorset B
Integrity performance	33 Minutes	38 Minutes
Insulation performance	33 Minutes	23 Minutes

*The test duration. The test was discontinued after 40 minutes.

This letter provides brief details of a test conducted in accordance with a recognised BS test method, prior to the issue of the test report. Whilst the letter may be used to demonstrate a test has been conducted and the achieved results it cannot be used to demonstrate full compliance with the Standard which requires the issue of a formal report.

Yours sincerely,



Dan Fitzsimmons
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