

Mr. G. Southerington
Everbuild Building Products.

Site 41,
Knowsthorpe Way,
Cross Green Industrial Estate,
Leeds,
Yorkshire,
LS9 0SW.

Dear Mr. Southerington

Confirmation of Tests Results

We confirm the results of a fire resistance test performed on the 25th August 2009 to evaluate the ability of fifteen specimens of electrical sockets fitted with an intumescent sealing system to reinstate the integrity and insulation performance of a drywall construction, when tested utilising the general principles of BS EN 1364-1: 1999 in conjunction with additional guidelines from BS EN 1366-3: 2009.

The specimens were referenced 'A to O', for the purposes of the test.

The assembly comprised a drywall construction of overall nominal dimensions 3000 mm wide by 3035 mm high by 135 mm thick, constructed utilising two layers of nominally 15 mm thick plasterboard (Type F to EN 520) to each face of a nominally 75 mm deep steel studwork frame. Mineral fibre infill comprising nominally 1200 mm by 600 mm by 75 mm thick RS80 slabs (nominal density 80kg/m³) was included within the void. The partition incorporated fifteen PVC electrical double pole sockets protected with 'Everbuild Firespan Intumescent Pads' either fitted over the back box or within the back box.

Specimens A to E were fitted on the exposed face of the partition at a height of nominally 2435 mm, Specimens F to J were fitted on the unexposed face of the partition at a height of nominally 2295 mm, and Specimens K to O included sockets to both fire and non-fire sides at a height of 1835 mm.

This letter provides brief details of a test utilising the general principles of BS EN 1364-1: 1999 in conjunction with additional guidelines From BS EN 1366-3: 2009, prior to the issue of the formal test report. Whilst the letter may be used to demonstrate a test has been conducted and the results achieved, it cannot be used to demonstrate full compliance with the standard which requires the issue of a formal report.

In addition, this letter may only be used until the 1st November 2009, or until the issue of the test report after which time the letter becomes obsolete.

The evaluation of the specimens against the requirements of BS EN 1364-1: 1999 showed that they satisfied the requirements for the periods shown overleaf.

Specimen	Description		Integrity			Insulation
	Position of Socket	Position of Intumescent Protection	Sustained Flaming	Cotton Pad	Gap Gauge	
A	Exposed face	Inside back box	127 mins*	127 mins*	127 mins*	127 mins*
B	Exposed face	Outside back box	127 mins*	127 mins*	127 mins*	127 mins*
C	Exposed face	Inside back box	127 mins*	127 mins*	127 mins*	127 mins*
D	Exposed face	Outside back box	127 mins*	127 mins*	127 mins*	127 mins*
E	Exposed face	Inside back box (insulation cut away to 400mm x 300mm)	127 mins*	127 mins*	127 mins*	114 mins
F	Unexposed face	Inside back box	127 mins*	127 mins*	127 mins*	127 mins*
G	Unexposed face	Outside back box	127 mins*	127 mins*	127 mins*	127 mins*
H	Unexposed face	Outside back box	127 mins	127 mins	127 mins*	127 mins
I	Unexposed face	Inside back box	127 mins*	127 mins*	127 mins*	127 mins*
J	Unexposed face	Inside back box (insulation cut away to 400 mm x 300 mm)	127 mins*	127 mins*	127 mins*	118 mins
K	Both faces	Inside back box to each face	127 mins*	127 mins*	127 mins*	127 mins*
L	Both faces	Outside back box to each face	126 mins ⁽¹⁾	124 mins	126 mins ⁽¹⁾	118 mins
M	Both faces	Inside to exposed face back box, outside to unexposed face back box	102 mins	102 mins	103 mins ⁽¹⁾	102 mins
N	Both faces	Outside to exposed face back box, inside to unexposed face back box	127 mins*	127 mins*	127 mins*	127 mins*
O	Both faces	Inside back box to each face (insulation cut away to 300mm x 300mm)	115 mins ⁽¹⁾	114 mins	115 mins ⁽¹⁾	97 mins

⁽¹⁾ Specimen blanked off.

*The test duration. The test was discontinued after a period of 127 minutes.

We trust this information will be of some assistance.

Yours faithfully



Dave Yates
Testing Officer
Fire Resistance Department
Bodycote **warringtonfire**