



## LOAD TEST CERTIFICATE

<b>Report No.:</b>	41193/6
<b>Job No.:</b>	PN41193
<b>Client:</b>	Cableduct Limited
<b>Floor Box Model No.:</b>	FF4 – 40
<b>Sample Reference:</b>	2
<b>Date Tested:</b>	28/03/20
<b>Test Technician:</b>	MV

### INTRODUCTION

James Fisher Testing Services were requested to carry out load tests on a sample of Cableducts Two Compartment Flush Screed Trunking.

### TEST METHOD

The floor boxes were tested following BS EN 12825-2-2:2008. Loading was applied via a 130mm diameter x 20mm thick loading indenter to the centre of the floor box, with a dial gauge positioned as close to the point of load as possible to measure lid deflection.

- A load force of 2kN was applied and held for 60 seconds, with deflection measured after the 60 seconds and 1 minute after load removal.
- A Load of 3kN/5kN/10kN/15kN was applied and held for 60 seconds, with deflection measured after the 60 seconds and 1 minute after load removal.
- Loading was continued until failure, with deflection and maximum load measured at failure.

### RESULTS

**Table 1 – Results of load test according to client specification.**

Loading Conditions	Deflection (mm)
1 Minute after load application (2kN)	0.56
1 minute after removal of load (2kN)	0.11
1 Minute after load application (3kN)	0.7
1 minute after removal of load (3kN)	0.23
1 Minute after load application (5kN)	1.08
1 minute after removal of load (5kN)	0.36
1 Minute after load application (10kN)	1.52
1 minute after removal of load (10kN)	0.44
1 Minute after load application (15kN)	1.98
1 minute after removal of load (15kN)	0.69
Failure load = 38.51 kN	14.79



Photo 1 – View of testing arrangements



Photo 2 – Failure mode of sample



The sample conforms to BS EN 50085-2-2:2008 part 10.5.104 for load test according to 6.103.5 for deflection <6mm under 15kN load and <3mm permanent deflection.



Approved Signature  
James Fisher Testing Services  
Michael Valentine