



## 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>	FF13-130
<b>Sample Reference:</b>	3
<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 Cableduct Three Flush screed trunking to test methods following BS EN 50085-2-2:2008.

### TEST METHOD

The floor boxes were tested to the following client specifications. 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)
Pre settling load(0.2kN)	0.82
1 Minute after load application (2kN)	1.23
1 minute after removal of load (2kN)	0.24
1 Minute after load application (3kN)	1.36
1 minute after removal of load (3kN)	0.59
1 Minute after load application (5kN)	1.54
1 minute after removal of load (5kN)	0.72
1 Minute after load application (10kN)	1.96
1 minute after removal of load (10kN)	0.99
1 Minute after load application (15kN)	2.3
1 minute after removal of load (15kN)	1.45
Failure load = 38.51 kN	7.89



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