

Melba Swintex  
Derby Works  
Manchester Road  
Bury  
Lancashire  
BL9 9NX

Date: 25<sup>TH</sup> May 2018

Issued by

Lloyds British  
A Speedy Business  
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**Our Project Number PRJ-012257**

**Melba Swintex Purchase Order No POR34739**

## **Report of Witness Test of Trench Covers**

**to the compliance of the Highway Authorities & Utilities Committee (HAUC) Advice Note No. 2018/01 – Specification and Operational Requirements for Footway Boards, Driveway Boards, Footway Ramps and Road Plates.**

Witness test carried out Friday 25<sup>th</sup> May 2018 on the premises of

Melba Swintex  
Derby Works  
Manchester Road  
Bury  
Lancashire  
BL9 9NX

Testing of Trench Covers with skirting unbolted.

Overall size 1290mm x 890mm.

All deflections calculated at 5% of overall size - 35mm.

### **Test 1 – Proof Load Test 400kgs max**

Test carried out with calibrated 25 kgs test weights and load pole c/w 250mm base trench cover position at 700mm on frame.

Measurement recorded and then load applied to centre span.

All loads applied for 5 minutes.

#### Results of Test 1

- 100 kgs deflection recorded 11.7mm
- 200 kgs deflection recorded 19.2mm
- 300 kgs deflection recorded 20.9mm
- 400 kgs deflection recorded 25.3mm

All loads removed and the above checked for permanent set and deformation.

All to be found satisfactory.

### **Test 2 – Proof Load Test 400kgs max**

Test carried out with calibrated 25 kgs test weights and load pole c/w 250mm base trench cover position at 700mm on frame.

Measurement recorded and then load applied to centre span.

All loads applied for 5 minutes.

#### Results of Test 2

- 400 kgs deflection recorded 25.8mm - Individual test
- 400 kgs deflection recorded 25.6mm - Individual test
- 400 kgs deflection recorded 25.6mm - Individual test
- 400 kgs deflection recorded 25.8mm - Individual test

All loads removed and the above checked for permanent set and deformation.

All to be found satisfactory.

### **Test 3 - Proof Load Test 800kgs max**

Test carried out with calibrated 25 kgs test weights and load pole c/w 250mm base trench cover position at 700mm on frame.

Measurement recorded and then load applied to centre span.

Load applied for 5 minutes.

Results of Test 3

- 800kgs deflection recorded 42.95mm on release of load. It was found that trench cover had permanent set and deformed by 6mm.

### **Test 4 - Proof Load Test 400kgs max**

Test carried out with calibrated 25 kgs test weights and evenly distributed on trench cover at 700mm on frame.

Measurement recorded load applied for 5 minutes.

Results of Test 4

- 100kgs deflection recorded 9.5mm
- 200kgs deflection recorded 12.5mm
- 300kgs deflection recorded 14.5mm
- 400kgs deflection recorded 15.8mm

All loads removed and the above checked for permanent set and deformation.

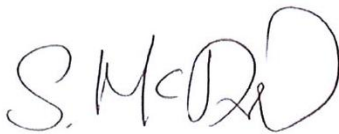
All to be found satisfactory.

All of the tests found that the boards conformed to the HAUC legislation.

For and on behalf of

Lloyds British

A Speedy Business



Steven McDaniels

Test & Inspection Engineer