

Test Report No. 168464



Test Submitted by: Safe Stand - 38a Fourth Way, Wembley,
Middlesex HA9 0LH

Date of Test: 11.09.2008

Order Number: Verbal Brian O'Driscoll

Introduction

2 x Surestand System Trestles complete with toe board, handrail fixings were submitted for load testing to BS1139 Part 4 1982.

Procedure

Two of the trestles were individually subjected to the load and stability test outlined in BS1139 PART FOUR 1982. They were positioned so that they stood 1 degree 30 minutes out of plumb @ their maximum extension. The load was applied using a hydraulic pump & ram and compressive load cell calibrated in accordance with ISO 7500-1:1999 E PART 1 VIA 2x75mm rigid bearing blocks placed one quarter of the span of the trestle in from each end. The load was applied at a rate not exceeding 5KN/MIN and was increased until proof load was reached.

Results

- 1) Max load applied 20kN (proof load) each trestle.
- 2) The final two trestles were tested as a pair in the same manner as test one but with a live load.
- 3) A load of 4000kgs was applied to the pair @ full height extension but it was thought that the stability may be compromised if this load was exceeded

Conclusion

BS1139 PART 4 states that the trestles should be able to withstand two and a half times the stated safe working load. This was achieved and the requirements of BS1139 PART 4 1982 were in fact exceeded, therefore a safe working load of 800kgs per trestle @ maximum extension can be assumed.

The trestles load tested surpass all current requirements and subject to specification conformity will be issued with Lloyds British Stamp of approval.


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