



Vertical Load Test

1220 Footway Fortress

Document: Test Reports

Date Issued: 18/04/13

Ref:

Version: 1.0

Date of Test: 18th April 2013

Location: CUBIS Industries, Lurgan

Items being tested

Footway Fortress 4 rings high (600mm).
Clear openings of 1220x610mm

Apparatus

Hydraulic Test Rig, 50 Tonne Capacity
1340 x 1340 steel plate

Personnel

Matthew Greer – Product Development Engineering Assistant - CUBIS

Test Criteria

To confirm that the chamber is capable of withstanding a vertical load of 400kN (40.0 Tonne) for a period of 30 seconds

Test

The chamber was positioned on the test rig, centrally under the hydraulic jack. A 40mm steel plate was placed on top of the chamber to evenly distribute the load to the chamber. The load was slowly applied to the chamber up to 400kN (40.0 Tonne) and held at this load for 30 seconds. After the load is released the chamber is examined for any evidence of failure.

Result

The chamber held the load for the required 30 seconds with no visible or audible signs of failure. When the load was released the chamber showed a complete recovery of shape.

CUBIS Industries

Head Office: 4 Silverwood Industrial Estate, Lurgan, Co. Armagh, BT66 6LN, United Kingdom

Tel: +44 (0)28 3831 3100 **Fax:** +44(0)28 3831 7770 **email:** info@cubisindustries.com **web:** www.cubisindustries.com



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Report Written by:

Matthew Greer
Product Development Engineering Assistant
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