Australian Standard®

Test methods for general access floors

Method 13: Test for pedestal free movement by horizontal load

METHOD

1 SCOPE This Standard sets out the method for testing stability for pedestals supporting an elevated floor system.

2 PRINCIPLE Pedestals supporting different grades of access floor system are tested for their free movement by sustaining their appropriate horizontal loads applied at their heads.

3 APPARATUS The following apparatus is required:

(a) *Testing device*—a calibrated constant pressure ram complete with pressure gauge and pressure controller capable of applying a horizontal load greater than the appropriate test load specified in AS 4154.

(b) *Measuring device*—in the form of a dial gauge capable of recording deflections to an accuracy of 0.01 mm.

4 TEST SPECIMEN The test specimen shall be two randomly selected pedestals of the maximum height of the type of system submitted.

The selected pedestals shall be firmly fixed to a horizontal surface.

5 PROCEDURE The procedure for testing the free movement of the two specimens shall be as follows:

(a) Apply a horizontal load of 5 N to the head of a pedestal by the testing device (see Figure 1).

(b) Measure the total movement at the head.

(c) Repeat Steps (a) and (b) for the opposite direction.

6 REPORT The test report for each test shall contain the following:

(a) Date of test.

(b) Type and grade of system.

(c) Type of test.

(d) Reference to this test method, i.e. AS 4155.13.

(e) Description of the pedestal including details of any material used to restrict movement, e.g. epoxy resin in threads or joints.

(f) Height of pedestal.

(g) Total movement for each direction.

(h) Total movement per 100 mm height for each direction.