TEST CODE SHEET

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1. TYPE OF TEST(S)

Impact

2. BYELAW REQUIREMENT FOR FITTINGS

Byelaw 52

Every water fitting shall be constructed of materials, the nature, the strength, the thickness of which ..... will prevent, so far as is reasonably practicable, damage from - (a) any external load; (b) .....stress .....

3. BRITISH STANDARDS OR WATER SPECIFICATION, DEEMED TO SATISFY BYELAW REQUIREMENTS

(See Water Supply Byelaw Guide)

3.1 Fittings with 'kitemarks' which are deemed to satisfy the requirements of byelaws are listed in the directory.

4. TEST PROCEDURE

Note Unless stated otherwise the temperature of the test fluid shall be 20 ± 10°C.

4.1 Tests applicable to the following fittings-

CISTERNS, URINAL FLUSHING
- automatic, rubber compound and plastics

CISTERNS, WC FLUSHING
- rubber compound and plastics, manual, high and low level (including close coupled)

(A) **URINAL AND WC FLUSHING CISTERNS**, 7.5l max. flush capacity.

(B) **URINAL AND WC FLUSHING CISTERNS**, nominally 9l flush, or dual flush 4.5l or 9l.
(Derived from BS 1125:1987, Section 2, Clause 5, Appendix C).

TEST METHOD

Impact test.
Fasten the cistern, complete with its fitments and cover, by its normal fixing devices to a solid background. Fill the cistern with water at ambient temperature to the marked waterline. Suspend a 1kg +0 -100g steel ball by a fine thread 2.5m (± 0.1m) long, the point of suspension being located vertically over the point of impact. Release the ball from a point directly in front of the cistern at a horizontal distance of 1m (± 0.1m) away from the point of impact, the point of impact being 75mm (± 5mm) from the bottom and on the centre line of the cistern. Carry out the test at ambient temperature. Ensure that the cistern cover is in position during the test. Note the condition of the cistern following the test. Repeat the test once more with the cistern empty.

5. ACCEPTANCE CRITERIA

The complete cistern shall show no defect after one impact (i.e. cracking or leakage from the cistern). When the cistern is flushed there shall show no defect in its operation.

With the cistern empty, and after one more impact, there shall be no defect (i.e. cracking of the cistern).