

<b>Test Code Sheet Number</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>14</b>
-------------------------------	----------	----------	----------	----------	-----------

WBS TEST & ACCEPTANCE CRITERIA PD.

Issue No: 3  
Date of issue: April 1998

TEST CODE SHEET

Sheet 1 of 1

1. **TYPE OF TEST(S)**

Porosity.

2. **BYELAW REQUIREMENT FOR FITTINGS**

Byelaw 11

Every water fitting shall be constructed of materials the nature, the strength and thickness of which (including any internal lining.....) will prevent, so far as is reasonably practicable, damage from.....

(c) internal water pressure.

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 otherwise stated the temperature of the test fluid shall be  $20 \pm 10^{\circ}\text{C}$ .

4.1 Tests applicable to the following:-

**EXPANSION VESSELS** - flexible diaphragm type.

(A) **EXPANSION VESSELS** (Derived from BS6144)

**TEST METHOD**

Note: This test is carried out with the expansion vessel fully charged with air in accordance with the manufacturers instructions.

Connect the expansion vessel to a pressurised water supply in accordance with Setting-up Procedure IGN 1-50-61. A hydraulic pressure equal to 1.5 times the claimed maximum operating pressure rating ( $\pm 0.5$  bar in the range 4-30 bar) shall be applied to the inlet of the fitting with water at ambient temperature, and maintained at that level for a period of 10 minutes -0/+60 seconds.

5. **ACCEPTANCE CRITERIA**

The pressure readings at both the beginning and end of the test shall show no change and there shall be no visible indication of leakage or sweating of the fitting due to porosity.

