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WBS TEST & ACCEPTANCE CRITERIA

Issue No: 3
Date of issue: April 1994

TEST CODE SHEET

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1. TYPE OF TEST(S)

Means for connection and disconnection.

2. BYELAW REQUIREMENT FOR FITTINGS

Byelaw 52

Every water fitting shall be constructed of materials, the nature, the strength and thickness of which (including any internal lining or external coating) 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

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 fittings:-

FITTINGS FOR USE WITH TUBE AND PIPE

- Compression, manipulative and non-manipulative, all materials.

TAPS AND VALVES

- Taps, draw-off, all materials.
- valves, stop, all materials.

(A) COMPRESSION FITTINGS FOR COPPER TUBES (Derived from BS 864 : Part 2 : Clause 11.4, 11.5)

TEST METHOD

Union nuts shall be either hexagonal or octagonal or shall have ribs for tightening.

5. ACCEPTANCE CRITERIA

Provision for tightening shall be made in all straight fittings with screwed ends.

(B) COMPRESSION FITTINGS FOR POLYETHYLENE PIPES (Derived from BS 864 : Part 3 : Clause 14, 17)

TEST METHOD

Union nuts shall be either hexagonal or octagonal or shall have ribs for tightening.

5. ACCEPTANCE CRITERIA

Provision for tightening shall be made in all straight fittings with screwed ends.

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(C) **COMPRESSION FITTINGS OF COPPER AND COPPER ALLOY FOR POLYETHYLENE PIPES WITH OUTSIDE DIAMETERS UPTO 2000mm**

TEST METHOD

Union nuts shall be either hexagonal or octagonal or shall have ribs for tightening.

5. **ACCEPTANCE CRITERIA**

Provision for tightening shall be made in all straight fittings with screwed ends.

(D) **DRAW-OFF TAPS AND ABOVE GROUND STOPVALVES** (Derived from BS 1010 : Part 2 : Clause 4.12)

TEST METHOD

Hexagonal shoulders shall be provided on at least one end of:

- (1) stopvalves screwed with BSP threads Unless required for compression joints.
- (2) bib taps of all sizes, except plain end bib taps and flanged bib taps up to and including ¾ in. size flanges not less than 75mm diameter.

5. **ACCEPTANCE CRITERIA**

Hexagonal shoulders shall also be provided on all heads except for stopvalves up to and including the ¾ in. size on which the head may have a square shoulder.

(E) **UNDERGROUND STOPVALVES** (Derived from BS 5433 : Clause 26)

TEST METHOD

A hexagonal shoulder or other equally effective configuration shall be provided on at least one end of each stopvalve screwed with a pipe thread unless required for union or compression joints.

5. **ACCEPTANCE CRITERIA**

Hexagonal shoulders or other equally effective configuration shall be provided on the heads of all stopvalves.

(F) **DRAW-OFF TAPS WITH METAL BODIES**
DRAW-OFF TAPS WITH PLASTICS BODIES (Derived from BS 5412/3 : Part 1 : Clause 9)

5. **ACCEPTANCE CRITERIA**

Backnuts shall be provided and incorporate a means for tightening the nuts, but hexagons are not mandatory.