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WBS TEST & ACCEPTANCE CRITERIA
PD.

Issue No: 2
Date of issue: January 1990

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TEST CODE SHEET

1. TYPE OF TEST(S)

Prevention of waste and contamination - materials and construction.

2. BYELAW REQUIREMENT FOR FITTINGS

Byelaw 51

No water fitting.....shall - (a) be made.....ofor (b) be lines or coated with, any material or substance which contaminates.....

Byelaw 52

Every water fitting shall be constructed of materials, the nature, the strength and thickness of whichwill prevent, so far as is reasonably practicable, damage from -.....(c) internal water pressure; (d) internal.....temperatures.....

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

(See Water Supply Byelaw Guide)

BS 843 Clause 10

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

4. TEST PROCEDURE

4.1 Tests applicable to the following fittings:-

HEATERS

- electric thermal storage closed outlet.

(A) HEATERS

TEST METHOD

Carry out a visual examination to check whether a removable apparatus plate is provided and if so remove it and identify the means of fixing, the jointing materials, the type and method of fixing of studs, nuts or set-screws, the means of breaking the joint and the method of protection of ferrous parts other than stainless steel against corrosion.

Clause 10 - Apparatus Plate Joint

If an apparatus plate is provided, it shall be secured to the container by means of a sound and suitable watertight joint, which can be easily broken, made without the use of white or red lead or any other hard setting material.

Studs shall be of non-ferrous metal or of stainless steel and, if any other form of fixing is used, one component at least shall be of non-ferrous metal.

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Studs shall be fixed so that they cannot turn when the nuts are turned. Studs or set-screws shall be of such a length or so placed that they are unable to penetrate the container.

For breaking the joint, two or more holes shall be tapped through the plate to receive starting screws of the same size as the holding-on studs or bolts. If bolts are used for holding-on, two (or more) of them shall be used as the starting screws. If studs are used for holding-on, two (or more) special starting screws shall be provided.

Other equally suitable means of breaking the joint may be provided instead.

Ferrous parts other than stainless steel shall be protected against corrosion.

5. ACCEPTANCE CRITERIA

Visual inspection shall reveal that, if an apparatus plate is provide, it meets the requirements of BS 843 Clause 10. After replacing the apparatus plate the fitting shall meet the acceptance criteria of TCS 1112.2

