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WBS TEST & ACCEPTANCE CRITERIA
PD.

Issue No: 3
Date of issue: March 1998

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TEST CODE SHEET

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

Corrosion protection

2. **BYELAW REQUIREMENT FOR FITTINGS**

Byelaw 10

No copper pipe shall be connected to or incorporated with any lead pipe (whether or not by way of repair or replacement) unless suitable means are employed to prevent so far as is reasonably practicable, corrosion through galvanic action.

Byelaw 51

No water fitting which conveys water supplied by the undertakers for domestic purposes shall - (a) be made wholly or partially of, or incorporate, or (b) be lined or coated with, any material or substance which contaminates, or is likely to contaminate, such water by altering its colour, odour, taste or composition.

Byelaw 52

Every water fitting shall be constructed of materials, the nature of which (including any internal lining or external coating) will prevent, so far as is reasonably practicable, damage from - (e) corrosion.

Byelaw 60

No metal pipe or pipe joint or other water fitting shall be connected to any other pipe, pipe joint or other water fitting constructed of a different metal unless, either - (a) deterioration through galvanic action is unlikely to occur; or (b) effective measures are taken to prevent such deterioration.

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

The BSI published document PD 6484, "Commentary on corrosion at bimetallic contacts and its alleviation", gives guidance on the avoidance of situations in which corrosion may arise from bimetallic contacts between different metals and alloys. Clause 3 of this document sets out the basic principles.

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:

ALL FITTINGS, AS APPLICABLE

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(A) **ALL FITTINGS, AS APPLICABLE**

TEST METHOD

Carry out a visual inspection of the fitting.

Identify the components (if any) which are in contact with water and susceptible to the effects of corrosion.

Identify the components (if any) which are susceptible to galvanic action.

5. **ACCEPTANCE CRITERIA**

The surface of any protective coating and/or plating shall be continuous and free from visible defects.

The components susceptible to corrosion must be coated/plated.

The components susceptible to galvanic action must have one of the metals protected by a coating or plating.

All non-metallic materials in contact with water shall meet the requirements of TCS2111/1.