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UK Water Industry
Engineering and Operations Committee

Amendment to: SPECIFICATION FOR POLYMERIC ANTI-CORROSION (BARRIER) COATINGS

This amendment forms an integral part of the Specification and replaces elements of the original as indicated below.

- Scope Add after bullet list, "The requirements of this Specification apply only to those surfaces and parts of an item which are intended to be coated. Some items covered by this specification may have intentionally uncoated surfaces or parts."
- 2 Add to definition of Test Piece: "which may be part of a larger piece which has been sectioned."
Add new definition: "Work Piece: A specimen used for a Coating Applicator's Production Procedure Qualification. This may be sectioned into individual Test Pieces."
- 4.8 4th paragraph. Delete "In tests which involve testing adhesion, this should be checked on the interface between the two coatings as well as on the repair coating."
- 5.1 Add after 6th paragraph. "Where more than one variant on a formulation is submitted for certification (for instance a coating which is produced in various colours), one variant shall be tested to and meet the requirements of sections 5.3.2 and 5.3.3. Other variants need only, in the first instance, be tested to and meet the requirements of clauses 5.3.2.4, 5.3.2.6, 5.3.2.7, 5.3.3.1 and 5.3.3.4.

For these latter variants, the manufacturer shall provide evidence that the coating conforms to the other requirements in sections 5.3.2 and 5.3.3. (Note that certification to British Gas Specification CW6 will be regarded as providing this evidence.)

All variants of a coating submitted for certification must have been tested to and proved to meet all requirements of sections 5.3.2 and 5.3.3 within two years of becoming certificated.

Where potable water approval is required, all variants must be submitted for assessment so that the test house may decide how many to test."

Table 5.1 Clause 5.3.3.6 After "plates", insert: "(75 mm wide)".

5.3.3.5 Delete first paragraph. Insert: "From 31 July 1994, all products which have previously been certificated shall meet this requirement in order to maintain their continued certification. After that date, all coatings shall meet this requirement prior to full certification. Provisional certification may be issued for a product which has met all other requirements. This provisional certification shall be dependent on the product being submitted for weathering tests at the earliest opportunity, and shall be withdrawn once results of the weathering test are available."

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- 5.3.3.6 Add after 1st paragraph: "Note: Plates for this test should be 75 mm wide and the whole of the plate is to be exposed during the test."
6. After 5th paragraph: "Alternatively, all batches will be tested at a level to be agreed with the certification body."
8. Add after 1st paragraph: "Alternatively, the receiving agent in the UK shall operate a quality system in accordance with BS 5750: Part 2 (EN 29002) and ensure that its supplier also maintains a quality system in accordance with BS 5750: Part 2 (EN 29002)."
- 12.1 Add after 2nd paragraph: "If a previously certificated applicator wishes to add to his scope a variant of a coating which is already in his scope, he shall carry out tests to ensure that processed work pieces coated with the variant meet the requirements of section 12.7. Compliance with clauses 12.7.4 and 12.7.7 shall be independently verified."
- 12.2.2 Delete 1st paragraph. Insert: "Fittings coatings shall declare the diameter range of fittings which they are prepared to coat. A fitting coater shall coat an item (not necessarily a fitting) which is representative in size, substrate and surface texture of the items normally being coated. This shall then be sectioned in a suitable manner so as to provide test pieces for the tests detailed in 12.7."
- 12.7 Insert after 1st paragraph:

- 12.7.2 Delete 1st paragraph. Insert: "This test should be done, and any necessary repairs carried out, before any of the following tests in this section."
- B.2.3 Delete: "The requirements of BS 5781:1981 shall apply".
Insert: "The requirements of BS 5781 shall apply."
- C.3 Add after 1st paragraph: "Where this test is being used for the purposes of Quality Control, the test voltage for a batch of coated items should be set as follows.
- Class A coatings: the voltage should be either five times the manufacturer's minimum recommended coating thickness or five times the minimum statistical thickness, whichever is the greater.
- Class B coatings: the voltage should be either 1250 V, or five times the statistical minimum thickness, whichever is the greater.
- (The minimum statistical thickness is given by the mean thickness minus three standard deviations ($\tau - 3\sigma_{n-1}$).)"
- G.3 Delete: "The coated test pieces shall ... Weathering, Clause 6".
Insert: "The coated test pieces shall be mounted on exposure racks in accordance with BS 3900: Part F6, Natural Weathering, Clause 6."

Table 12.1 Test samples for Part Two

Clause No.	Test	No. of Samples
12.7.1	Thickness	All
12.7.2	Holiday detection	All
12.7.3	Impact resistance	5
12.7.4	Adhesion	All
12.7.5	Degree of cure	5
12.7.6	Visual appearance	All
12.7.7	Water immersion	5
12.7.8	Cathodic disbondment	5