

Specification for lead and chromate-free primer for iron and steel substrates

AMENDMENT NO. 1

September 2014

1. Page 8, Table 1

Replace “Viscosity” with “Consistency at 25 °C (Stormer viscometer)”.

2. Page 8, 4.4.1 Colour

Replace the text with: “The paint film of 25 to 35 microns dry film thickness on the cold-rolled steel after seven days drying, shall have a grey colour or shades of grey subject to agreement between the purchaser and vendor, and shall not be darker than 10A07 of BS 5252F.”

3. Page 8, 4.4.5 Bend test

Replace “6.4 mm diameter” with “6 mm diameter”.

4. Page 8, 4.4.6 Scratch resistance

Insert “using scratch stylus A” after “test load of minimum 1000 g”.

5. Page 9, 4.4.7 Resistance to cyclic fog test (Prohesion)

Insert “after seven days drying,” after “cold-rolled steel type CR 4 (as specified in SS 5 : Part A3)”.

6. Page 9, 4.4.8 Storage stability

Replace “21 °C to 32 °C” with “25 °C to 29 °C”.

7. Page 9, 4.4.9 Keeping qualities

Replace “21 °C to 32 °C” with “25 °C to 29 °C”.

8. Page 10, Table 2

Replace “ISO 9117” with “ISO 9117 : 1990”.

9. Page 11, Standards referred to

Replace with the following:

Standards referred to:

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

· ASTM D610 Standard practice for evaluating degree of rusting on painted steel surfaces

ASTM D714 Standard test method for evaluating degree of blistering of paints

Singapore Standard SS 494 : 2001
Amendment No. 1

ASTM G85	Standard practice for modified salt spray (fog) testing
BS 5252F	Colour matching fan
ISO 9117 : 1990	Paints and varnishes – Determination of through-dry state and through-dry time – Method of test
*SS 5 : -	Methods of test for paints, varnishes and related materials
Part A1	Sampling
Part A2	Examination and preparation of samples for testing
Part A3	Standard panels for testing
Part B2	Determination of non-volatile matter content
Part B4	Condition in container
Part B5	Skimming (partially filled container)
Part B6	Storage stability (filled container)
Part B9	Brushing properties
Part B12	Consistency of paints using the Stormer viscometer
Part B13	Fineness of grind
Part B14	Pigment content (centrifuge)
Part B15	Determination of flashpoint – Closed cup equilibrium method
Part D2	Surface-drying test (Ballotini method)
Part E2	Determination of contrast ratio (opacity) of light-coloured paints at a fixed spreading rate
Part E3	Visual comparison of the colour of paints
Part F1	Bend test (Cylindrical mandrel)
Part F2	Scratch test

*NOTE – The review of the SS 5 series was completed in 2013.