

3G.100 : Part 2 : Section 3 : Subsection 3.3, March, 1972

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BRITISH STANDARD : AEROSPACE SERIES SPECIFICATION FOR GENERAL REQUIREMENTS FOR EQUIPMENT IN AIRCRAFT

Part 2. All equipment. Section 3. Environmental conditions. Subsection 3.3. Mould growth

FOREWORD

This British Standard is part of a composite standard in the Aerospace Series of British Standards specifying general requirements for equipment in aircraft. An introduction to the complete standard is given in British Standard 3G. 100: Part O, Introduction.

This subsection of British Standard 3G. 100 supersedes Clause 208c, 'Tests for resistance to fungus growth', in British Standard 2G. 100: Part 2. It details a short exposure test (28 days) to assess the extent of mould growth, and a long exposure test (84 days) to assess the effect of mould growth on the performance of aerospace equipment, materials and components in aircraft. It does not relate to mycological tests on such hydrocarbons as aircraft fuels, oil etc., which should be tested in a manner agreed between the appropriate authorities.

This standard makes reference to the following British Standards:

- BS 2011. Methods for the environmental testing of electronic components and electronic equipment.
Part 2. Tests. Test J. Mould growth.
- 3G. 100 General requirements for equipment in aircraft.
Part O. Introduction.

NOTE. Information concerning metric (SI) units is given in BS 3763, 'The International System of units (SI)' and BS 350 'Conversion factors and tables'.

SPECIFICATION

1. SCOPE

This subsection of 3G. 100: Part 2 gives details of mould growth tests to be applied to materials and components used in aircraft equipment to determine that they are inherently resistant to mould growth. It should also be read in conjunction with British Standard 3G. 100: Part O.

2. TESTS AND TEST METHODS

Tests for mould growth shall be generally conducted in accordance with the requirements specified in BS 2011: Part 2, Test J* 'Mould growth' and of the relevant equipment specification.

2.1 The 28 day short exposure test shall be the normal test to be specified.

2.2 The 84 day long exposure test shall only be applied in special cases and when specifically required by the relevant equipment specification.

2.3 The tests may only be applied to complete equipment in exceptional cases.

*BS 2011: Part 2J: 1967 incorporating Amendment Slip No. 1: 1969.