

PPA ED

Australian Standard 1157, Part 10—1979

**METHODS OF TESTING
MATERIALS FOR RESISTANCE TO
FUNGAL GROWTH**

**PART 10—RESISTANCE
OF ADHESIVES
AND GLUES TO
FUNGAL
GROWTH**

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PREFACE

This standard method for testing the resistance of adhesives and glues to fungal growth was prepared under the direction of the Chemical Standards Board. It is one of a series of methods for assessing the resistance to fungal growth of a range of commonly used materials.

In this standard, reference is made to the following Australian standard:
AS 1157 Methods of Testing Materials for Resistance to Fungal Growth
Part 1—General Principles of Testing

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

METHODS OF TESTING MATERIALS FOR RESISTANCE TO FUNGAL GROWTH

PART 10 RESISTANCE OF ADHESIVES AND GLUES TO FUNGAL GROWTH

FOREWORD

The growth of fungi on adhesives and glues may be objectionable for aesthetic reasons or because of adverse effects on properties. In the procedures described, the products are tested for resistance to fungal growth in their functional form as dried films although the effect of fungal growth on the mechanical (physical) properties of the dried film, which may be significant, is not assessed. The method is varied according to whether or not the dried film of adhesive or glue is affected by water.

METHOD

1 SCOPE. This standard describes procedures for determining the resistance of water-resistant and water-sensitive adhesives and glues to fungal growth which may have an adverse effect on appearance. Any changes in physical properties or performance of the products are not assessed.

2 PRINCIPLE. Test specimens are inoculated with a mixed spore suspension and examined for fungal growth after incubation for 14 days.

3 APPARATUS, TEST MEDIUM AND TEST ORGANISMS.

3.1 Apparatus.

- (i) As specified in AS 1157, Part 1, viz:

For preparing the test medium, see Appendix B.

For sterilizing the equipment, see Appendix C.

For preparing the spore suspension, see Appendix E.

- (ii) Microscope slides, 75 mm × 25 mm, clean, grease-free and with an etched or abraded surface to ensure adhesion of the product under test.