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**Underwriters Laboratories Inc.®**A not-for-profit organization dedicated to public safety
and committed to quality service**May 1, 1995****Revision pages for****Standard for****Tests for Fire Resistance of Vault and File Room Doors****UL 155, Seventh Edition**

Attached to this transmittal notice is a revision of the seventh edition of UL 155.

A CHANGE ON A PAGE DATED MAY 1, 1995 IS INDICATED BY A SMALL PRINT NOTE FOLLOWING THE
AFFECTED ITEM, PRECEDED AND FOLLOWED BY AN ASTERISK.

THESE NEW AND REVISED REQUIREMENTS ARE NOW IN EFFECT.

Attention is directed to the note on the title page of this standard outlining the procedure to be followed to
retain the approved text of ANSI/UL 155-1995.

Revised and/or additional pages may be issued from time to time.

With the inclusion of the accompanying material, the standard consists of pages dated as shown in the
following checklist:

Page	Date
1	April 28, 1995
2	—
3, 4	April 28, 1995
5	May 1, 1995
6 – 11, A1, A2	April 28, 1995

INTRODUCTION

1 Scope

1.1 These requirements cover the test procedure applicable to the fire-resistance classification of doors intended for the protection of openings of vaults and file rooms.

1.2 Recommendations for record protection equipment and techniques, including the use and installation of vault or file room door assemblies, are contained in the Standard for Protection of Records, NFPA 232.

1.3 The terms "vault doors" and "file room doors" refer to assemblies consisting of the doors, single or in pairs, the frame into which doors are hung, and the necessary hardware. These assemblies are intended to provide fire resistance and protection to contents from heat for periods designated by the classifications to an extent described in these requirements.

1.4 Vault doors are recommended for use on enclosures of limited volume [not exceeding 5000 cubic feet (142 m³)], constructed so that no point on the interior surface will reach a temperature exceeding 350°F (177°C) when separate vault members or the vault as a whole are exposed to a fire regulated according to the Standard Time-Temperature Curve. See Figure 8.2.

1.5 File room doors are recommended for enclosures of large volume [not exceeding 50,000 cubic feet (1420 m³)] for the storage of records which are not of sufficient importance to economically justify the provision of vaults. It is anticipated that combustibles will not be stored nearer than 3 feet (0.91 m) from the unexposed face of the door nor 6 inches (152 mm) to the side from the door joints.

1.6 It is intended that classification shall register performance during the period of exposure and shall not be construed as having determined suitability for use after fire exposure.

1.7 A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements in this standard, and that involve a risk of fire, electric shock, or injury to persons shall be evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of this standard. A product whose features, characteristics, components, materials, or systems conflict with specific requirements or provisions of this standard cannot be judged to comply with this standard. Where considered appropriate, revision of requirements shall be proposed and adopted in conformance with the methods employed for development, revision, and implementation of this standard.

1.7 revised May 1, 1995

2 General

2.1 Units of measurement

2.1.1 If a value for measurement is followed by a value in other units in parentheses, the second value may be only approximate. The first stated value is the requirement.

2.2 Undated references

2.2.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

3 Practicability

3.1 Vault and file room doors shall be constructed so that, when installed:

- a) The door, locking mechanism, and other movable parts are capable of repeated operation prior to tests and
- b) Repairs of moving parts can be made without damage to the insulating and fire-resistive qualities.

Testing for such capability, however, is not within the scope of these requirements.

3.2 Heat-insulating materials used in vault and file room doors shall be free from sweating or swelling and shall be capable of retaining their heat-insulating properties under the intended conditions of use.

4 Instructions

4.1 Each door shall be accompanied by instructions for installation into walls of the types recommended for each classification.

5 Classifications and Ratings

5.1 Vault doors classified as to 2-, 4-, and 6-hour fire resistance are effective in withstanding:

- a) Standardized fire exposures for the periods indicated without exceeding a temperature of 350°F (177°C) during or after the fire exposure, 2 inches (51 mm) from the unexposed face, when installed in accordance with instructions accompanying the door; and
- b) Application of a standard hose stream and reheating for one-half of the classification period without destroying the usability of papers or record form papers stored in the vault. See 6.2 and 6.3 for specifications.

5.2 "Unexposed face" refers to the side which is on the inside of the vault or file room. "Exposed face" refers to the side which is on the outside of the vault or file room.

5.3 File room doors classified as to 1/2- or 1-hour fire resistance are effective in withstanding:

- a) Standardized fire exposures for the periods indicated without exceeding a temperature of 350°F (177°C) during or after the fire exposure, 36 inches (0.91 m) from the unexposed face of the door or 6 inches (152 mm) to the side from the door joints, when installed in accordance with instructions accompanying the door; and
- b) Application of a standard hose stream and reheating for one-half of the classification period without destroying the usability of papers or record form papers stored in the file room. See 6.2 and 6.3 for specifications.

UL 155

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Tests for Fire Resistance of Vault and File Room Doors



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April 28, 1995

Standard for

Tests for Fire Resistance of Vault and File Room Doors

UL 155, Seventh Edition

Accompanying this transmittal notice is a copy of the seventh edition of UL 155.

THIS EDITION OF THE STANDARD IS NOW IN EFFECT.

As indicated on the title page, this UL Standard for Safety is an American National Standard. Attention is directed to the note on the title page of this standard outlining the procedures to be followed to retain the approved text of ANSI/UL 155-1995.

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