UL 1618

STANDARD FOR SAFETY

Wall Protectors, Floor Protectors, and Hearth Extensions

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UL Standard for Safety for Wall Protectors, Floor Protectors, and Hearth Extensions, UL 1618

Second Edition, Dated October 23, 2015

Summary of Topics

This revision of ANSI/UL 1618 is being issued to reaffirm approval as an American National Standard. No changes in requirements are involved.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated November 10, 2017.

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Standard for Wall Protectors, Floor Protectors, and Hearth Extensions

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Second Edition

October 23, 2015

This ANSI/UL Standard for Safety consists of the Second Edition including revisions through January 10, 2018.

The most recent designation of ANSI/UL 1618 as a Reaffirmed American National Standard (ANS) occurred on January 10, 2018. ANSI approval for a standard does not include the Cover Page, Transmittal Pages and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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CONTENTS

INTRODUCTION

1 Scope 4
2 Components 4
3 Units of Measurement 5
4 Undated References 5
5 Glossary 5

CONSTRUCTION

6 Materials 6
7 Assembly 7
7.1 General 7
7.2 Joints 7
7.3 Grounding 8
7.4 Spacing 8

PERFORMANCE

8 General 8
9 Test Installation 9
10 Accelerated Aging Test 10
11 Thermal Resistivity Test 10
12 Radiant Panel Test 11
13 Burning Brand Test for Floor Protectors 11
13.1 General 11
13.2 Size and construction of brand 11
13.3 Ignition of brand 12
13.4 Test conditions 13
13.5 Duration of test 13
14 Impact and Strength Test 13
15 Reduced Clearance Test for Wall Protectors 13

MARKINGS

16 General 14

INSTALLATION INSTRUCTIONS

17 General 15
18 Floor Protectors 16
19 Wall Protectors 17

APPENDIX A

Standards for Components A1

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INTRODUCTION

1 Scope

1.1 These requirements cover wall protectors, floor protectors, and hearth extensions that are intended for use with heat producing devices, such as fireplaces, fireplace stoves, fireplace inserts, and solid-fuel type room heaters.

1.2 Wall protectors, floor protectors, and hearth extensions are intended for installation in accordance with the Standard for Chimneys, Fireplaces, Vents, and Solid-Fuel Burning Appliances, NFPA 211.

1.3 The factory-built fireplaces with which these products are used are intended to comply with the Standard for Factory-Built Fireplaces, UL 127.

1.4 The fireplace stoves with which these products are used are intended to comply with the Standard for Fireplace Stoves, UL 737.

1.5 The solid-fuel type room heaters with which these products are used are intended to comply with the Standard for Room Heaters, Solid-Fuel Type, UL 1482.

1.6 The pellet-fuel type room heaters with which these products are used are intended to comply with the Standard for Room Heaters, Pellet Fuel-Burning Type, ASTM E1509.

1.7 Floor protectors are not evaluated in regard to floor protection with substantial amounts of fuel burning directly on the floor protector surface.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this standard.

2.2 A component is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or

b) Is superseded by a requirement in this standard.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

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3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

4 Undated References

4.1 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.

5 Glossary

5.1 For the purpose of this standard, the following definitions apply.

5.2 FLOOR PROTECTOR – Noncombustible surfacing applied to the floor area underneath and extending in front, to the sides and to the rear of a heat producing appliance.

a) TYPE 1 – EMBER PROTECTOR – for appliances not requiring thermal protection of the combustible floor during normal operation.

b) TYPE 2 – THERMAL FLOOR PROTECTOR – for appliances requiring thermal protection of the combustible floor during normal operation. To qualify as a Thermal Floor Protector, the floor protector must have a minimum R-Value of 1.0 when tested using the method prescribed in Section 11 of this standard.

5.3 HEARTH EXTENSION – Noncombustible surfacing applied to the floor area extending in front of and at the sides of the hearth opening of a fireplace or fireplace insert. Hearth extensions are subject to the same classifications, testing and requirements as Ember Protectors and Thermal Floor Protectors defined in 5.2.

5.4 NONCOMBUSTIBLE MATERIAL – A material that, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat as specified in the Radiant Panel Test, Section 12, and in the Burning Brand Test for Floor Protectors, Section 13. Materials reported as noncombustible, when tested in accordance with the Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C, ASTM E136, are considered noncombustible materials.

5.5 PRODUCT – All wall protectors, floor protectors, and hearth extensions or any part thereof covered by these requirements unless specifically noted otherwise.

5.6 R-VALUE – The measure of a material's ability to resist heat flow – Thermal Resistance, units = ft^2 x °F x hour/Btu.

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