



UL 2561

STANDARD FOR SAFETY

1400 Degree Fahrenheit Factory-Built Chimneys

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UL Standard for Safety for 1400 Degree Fahrenheit Factory-Built Chimneys, UL 2561

Second Edition, Dated January 22, 2016

Summary of Topics

This revision of ANSI/UL 2561 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 February 9, 2018

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UL 2561

Standard for 1400 Degree Fahrenheit Factory-Built Chimneys

First Edition – July, 2009

Second Edition

January 22, 2016

This ANSI/UL Standard for Safety consists of the Second Edition including revisions through April 19, 2018.

The most recent designation of ANSI/UL 2561 as a Reaffirmed American National Standard (ANS) occurred on April 19, 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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INTRODUCTION

1 Scope

1.1 These requirements cover factory-built 1400 degree Fahrenheit chimneys intended for venting gas, liquid, and solid-fuel-fired appliances in which the maximum continuous flue-gas temperatures do not exceed 1400°F (760°C).

1.2 Factory-built chimneys are intended for installation in accordance with the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances, NFPA 211, and in accordance with codes such as the International Mechanical Code, and the Uniform Mechanical Code.

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.

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- b) Is superseded by a requirement in this standard.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.

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 COMBUSTIBLE MATERIAL, NONCOMBUSTIBLE MATERIAL – As used in these requirements, these terms are defined in the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances, NFPA 211.

5.3 1400° FAHRENHEIT APPLIANCE – As used in these requirements, this term is defined in the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances, NFPA 211.

CONSTRUCTION

6 Materials

6.1 A chimney part shall be made of noncombustible corrosion-resistant materials. Metals shall not be used in combinations that cause detrimental galvanic action at any location.

6.2 The minimum thickness of sheet metal including any coatings shall comply with Table 6.1.

Table 6.1
Minimum thickness of chimney material

Type of material	Use of material	Paragraph reference	Equivalent nominal inside diameter of chimney					
			12 or less inches (305 or less mm)		Over 12 to 24 inches (over 305 to 610 mm)		Over 24 to 36 inches (over 610 to 914 mm)	
			Minimum material thickness					
			Inch	(mm)	Inch	(mm)	Inch	(mm)
Stainless steel – Series 300 or 400 or equivalent	Flue-gas conduit	6.3	0.015	(0.33)	0.016	(0.41)	0.020	(0.51)
Stainless steel – Series 300 or 400 or equivalent	Outer casing, unreinforced	6.4	0.012	(0.30)	0.016	(0.41)	0.026	(0.66)
	Outer casing, reinforced	6.6	0.012	(0.30)	0.012	(0.30)	0.012	(0.30)
	Component or subassembly	6.9	0.012	(0.30)	0.012	(0.30)	0.012	(0.30)
Galvanized steel, G-90 coating designation or aluminum-coated steel – Type T1-40	Outer casing, unreinforced	6.4, 6.7	0.018	(0.46)	0.023	(0.58)	0.034	(0.86)
	Outer casing, reinforced	6.6	0.018	(0.46)	0.018	(0.46)	0.018	(0.46)
	Component or subassembly	6.9	0.018	(0.46)	0.023	(0.58)	0.034	(0.86)
Aluminum alloys or painted steel	Component or subassembly	6.9	0.016	(0.41)	0.016	(0.41)	0.016	(0.41)

Table 6.1 Continued on Next Page