



Standard Practice for Labeling of ~~Backpacking and Mountaineering~~ Recreational Camping Tents and Bivouac Sacks¹

This standard is issued under the fixed designation F2441; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice establishes requirements for ~~the warnings and other information that shall be permanently affixed to backpacking and mountaineering recreational camping tents and bivouac sacks.~~

1.2 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 ASTM Standards:²

[F3431 Specification for Determining Flammability of Materials for Recreational Camping Tents and Warning Labels for Associated Hazards](https://standards.iteh.ai/catalog/standards/sis/402b901a-c01a-40d1-b170-580b85b9cd6a/astm-f2441-20)

2.2 ANSI Standard:³

[ANSI Z535.4 Product Safety Signs and Labels](#)

2.3 CPIA Standard:⁴

[CPIA-84 Specification for Flame-Resistant Materials Used in Camping Tentage](https://standards.iteh.ai/catalog/standards/sis/402b901a-c01a-40d1-b170-580b85b9cd6a/astm-f2441-20)

3. Terminology

3.1 Definitions:

3.1.1 ~~backpacking and mountaineering tent, n—portable shelter made primarily of fabric weighing less than 3 oz/yd², designed to be carried by the occupants while backpacking or mountaineering.~~

3.1.1 *bivouac sack, n—lightweight waterproof bag that covers one or more sleeping bags.*

3.1.2 *bivy sack, n—also known as bivouac sack.*

3.1.3 camping appliance, n—device typically used to cook or heat and powered by a combustible gas, liquid, or solid fuel.

¹ This practice is under the jurisdiction of ASTM Committee F08 on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee F08.22 on Camping Softgoods.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036.

⁴ Available from Industrial Fabrics Association International (IFAI), 345 Cedar St., Suite 800, St. Paul, MN 55101-1088.

3.1.4 tent, n—portable temporary shelter made primarily of fabric and other pliable materials designed to protect people from outdoor environmental elements.

4. Significance and Use

4.1 These warnings are intended as preventive measures against the most reported hazards. This practice may not apply to all tents or bivouac sacks, and should be modified appropriately to commonly reported hazards of which the subcommittee is aware.

4.2 A permanent warning label shall be affixed to all tents and to all bivouac sacks. The label shall be designed to be legible, clearly visible and unobstructed throughout the life of the tent.

4.3 Whether the warning statements in Fig. 1A or those in Fig. 1B are to be used for a tent will depend on whether the tent is marketed as acceptable for the use of camping appliances within them and shall be determined by a review of publicly available marketing materials, images and the manufacturer’s written instructions and user manual.

5. Procedure

5.1 The size and format of the warning label shall be large enough so that the font and images are drafted in accordance with ANSI Z535.4.

5.2 The warning label shall be sewn into the tent or bivy sack close to an entrance where the user will easily see it.

5.3 The recommended labels are shown in the figures below. The size of the tent label is not defined, but should be readable in accordance with ANSI Z535.4 and based on the size of the tent. Example labels including the warning statements that shall be addressed are shown in the figures below.

5.4 The tent label Warning statements and graphics that convey the same meaning as the warning statements and graphics in Fig. 1A, Fig. 1B, and Fig. 2 is acceptable for use. It is also acceptable for individual manufacturers to use additional warning statements and graphics, provided that the warning statements and graphics in Fig. 1A, Fig. 1B and Fig. 2 not intended to replace the label required by CPPIA-84, are not minimized in size or prominence to accommodate such additional warning statements and graphics.

6. Tent Label


6.1 Tents which are not marketed as acceptable for the use of camping appliances within them shall include a warning label that addresses the warning statements in Fig. 1A.

6.2 The caution sign and warning label are printed on an orange background 6 in. wide by 1 in. high, with the rest of the wording on a white background. It is recommended that the label be sewn into the tent close to an entrance where the user will easily see it. See Tents which are marketed as acceptable for the use of camping appliances within them shall include a warning label that addresses the warning statements Fig. 1-B.

7. Bivouac Sack Label

7.1 Bivouac sacks shall include a label that addresses the warning statements in Fig. 2.

7.2 The recommended—As bivouac sacks have the potential to present unique design characteristics, it is feasible that Fig. 2 size will need to be modified appropriately to reflect size and other characteristics of the bivy warning label is 2 in. wide by 4 in. long-sack. Space permitting, it is acceptable to use the warnings from Fig. 1 The caution sign and “warning” are printed on an orange background 2 in. wide by 1 in. wide, with the rest of the wording on a or a combination of the warnings from Fig. 1 white background and Fig. 2 It is recommended that the label be sewn onto the bivy, on or close to a zipper where it will be easily seen by a user. See by adapting them and affixing them to the bivouac sack as set forth in this standard. Fig. 2:



WARNING


KEEP ALL FLAME AND HEAT SOURCES AWAY FROM THIS TENT FABRIC

This tent is not fireproof. The fabric will burn if left in continuous contact with any flame source. The application of any foreign substance to the tent fabric may create a safety hazard.


DO NOT OPERATE ANY DEVICE WHICH BURNS FUEL INSIDE THIS TENT

Combustion produces carbon monoxide which can kill you in minutes. Carbon monoxide is a poison you cannot see or smell.


NO FIRE



VENTILATION



ANCHOR



NEVER place your stove, campfire, or any other flame source in or near your tent. **NEVER** use, light, or refuel a stove, lantern, heater or other heat source inside your tent. **NEVER** store flammable liquids in a tent. **NEVER** use candles, matches or other open flames in or near a tent. **NEVER** smoke in a tent. Keep exits clear. Death and/or serious burns are possible.

Build campfires downwind and at a safe distance of at least 10 feet (3 meters) away from a tent. Extinguish campfires before leaving a campsite or going to sleep.

Maintain adequate ventilation inside your tent at all times. Death by suffocation is possible.

Carefully consider the possibility of falling rocks or tree limbs, lightning strikes, flash floods, avalanches, strong winds, and other objective hazards when choosing a campsite to reduce the risk of loss or injury to the tent or occupants.

Anchor your tent properly at all times to reduce the risk of loss or injury to the tent or occupants.


This tent meets the flammability requirements of ASTM F3431.

Please consult your owner's manual for additional information. If you do not understand any part of this warning, contact (INSERT COMPANY NAME) at (INSERT COMPANY PHONE # OR COMPANY EMAIL HERE) before using tent.

FIG. 21 Bivouac Sack Label A Label for Tents for Use Without Camping Appliances (Ref: Specification F3431)

8. Keywords

8.1 anchoring; backpacking; bivouac sack; bivy sack; campsite; flammability; hazards; label; mountaineering; tent; ventilation; warnings



WARNING


KEEP ALL FLAME AND HEAT SOURCES AWAY FROM THIS TENT FABRIC

This tent is not fireproof. The fabric will burn if left in continuous contact with any flame source. The application of any foreign substance to the tent fabric may create a safety hazard.


EXERCISE EXTREME CAUTION IF OPERATING ANY DEVICE WHICH BURNS FUEL INSIDE THIS TENT

Combustion produces carbon monoxide which can kill you in minutes. Carbon monoxide is a poison you cannot see or smell.


NO FIRE



VENTILATION



ANCHOR



Exercise extreme caution when lighting or using appliances such as lamps, heaters or stoves in a tent. Keep appliances away from the tent walls. **NEVER** leave appliances unattended while in use. Turn them off before going to sleep. Follow manufacturer’s instructions for safe appliance use. Exercise extreme caution when using matches or other open flames in or near a tent. **NEVER** smoke in a tent. **NEVER** use candles in a tent. **NEVER** refuel appliances or store flammable liquids in a tent. Keep exits clear. Death and/or serious burns are possible.

Build campfires downwind and at a safe distance of at least 10 feet (3 meters) away from a tent. Extinguish campfires before leaving a campsite or going to sleep.

Maintain adequate ventilation inside your tent at all times. Death by suffocation is possible.

Carefully consider the possibility of falling rocks or tree limbs, lightning strikes, flash floods, avalanches, strong winds, and other objective hazards when choosing a campsite to reduce the risk of loss or injury to the tent or occupants.

Anchor your tent properly at all times to reduce the risk of loss or injury to the tent or occupants.

This tent meets the flammability requirements of ASTM F3431.

Please consult your owner’s manual for additional information. If you do not understand any part of this warning, contact (INSERT COMPANY NAME) at (INSERT COMPANY PHONE # OR COMPANY EMAIL HERE) before using tent.

FIG. 1 B Label for Tents for Use With Camping Appliances (Ref: Specification F3431) (continued)