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Awnings for leisure accommodation vehicles — Requirements and test methods

Auvents pour véhicules de loisirs habitables — Exigences et méthodes d'essai



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see the following URL: <http://www.iso.org/iso/foreword.html>

The committee responsible for this document is ISO/TC 83, *Sports and other recreational facilities and equipment*.

This fourth edition cancels and replaces the third edition (ISO 8936:2007) which has been technically revised.

The main changes include the following:

- a) terms and definitions updated;
- b) new type of awnings "Light-weight awnings (Type L)" added;
- c) roofs and walls divided into "coated and laminated" and "non-coated";
- d) in [5.1.3](#) "Awning perimeter size", the relation between awning and vehicle clarified;
- e) in [5.2.1](#) "General", requirements inner tents specified in regard to ISO 5912;
- f) in [5.8](#) "Ventilation", requirements for sewn in ground sheets formulated;
- g) in [5.12](#) "Resistance to roof loading", requirements modified;
- h) in [6.6.2](#) "Rainshower test", test method modified;
- i) in [6.6.3](#) "Resistance of seams and material to water ingress from pooled water (trough test)", test method for seam tightness simplified and two new figures added;
- j) [Clause 7](#) "Marking" modified and restructured;
- k) [Clause 8](#) "Information supplied by the manufacturer", modified and restructured;
- l) warning notices transformed into annexes;
- m) new [Annex C](#) added as an example for customer information prior to purchase.

Introduction

General

The principal objective of this document is to simplify it from previous editions. It combines test requirements and product requirements into one document, providing manufacturers, specifiers and consumers with a single reference point for the safety and quality performance of awnings.

The traditional frame assembly mechanism for awnings has been a system of structural tubular or sectioned metal poles. This has recently evolved to include flexible pole systems and inflatable tube systems. Over the course of revision of this document it has been possible to consider some but not all aspects of these changes. In particular no specific requirements have been given for inflatable systems. It is intended that these will be addressed if required at the next revision.

Environmental considerations

Every product affects the environment in the course of its lifecycle from raw material acquisition through production, distribution and use, to disposal. Environmental impacts are consequences of the consumption of energy and resources and the generation of waste, as well as the emission of substances into air, water and soil. The magnitude of the environmental impacts during the various lifecycle changes depends on a number of choices made in the design of the product, such as the materials used, production methods, and considerations related to maintenance and recycling. Manufacturers and distributors of awnings for leisure accommodation vehicles should consider the environmental impact of their product by, for example:

- avoiding the use of environmentally harmful substances;
- selecting the best available technology and techniques to reduce consumption of energy and materials;
- considering use of recycled materials for product and packaging;
- encouraging responsible end of life disposal by the user including guidance on separation and identification of any recyclable components and packaging;
- using materials, components, and manufacturing facilities which have declared documented;
- environmental policies.