



IS 15272: 2020 Textiles — Awnings for Leisure Accommodation Vehicles — Requirements and Test Methods

Overview: An awning is defined as a closable structure intended to be fixed to a stationary vehicle or to stand free of the vehicle.

This Indian standard, IS 15272:2020, is identical to ISO 8936:2017 and specifies **requirements, test methods, and material performance characteristics for vehicle awnings intended to be pitched and struck.**

The standard does not apply to sun awnings, external blinds, or fixed awnings. There are four types of awnings, each with different requirements: Winter, Residential, Touring, and Light-weight.

Consumers expect awnings to provide shelter, be durable, safe, and easy to use. This standard ensures these expectations in several ways. For example, it sets minimum requirements for the strength and water resistance of awning fabrics **Awnings must also have adequate ventilation to prevent the build-up of toxic gases and reduce condensation.** Additionally, the standard specifies requirements for the frame assembly, guying system, and ground fastening to ensure the awning's stability and safety in various weather conditions. **The standard also mandates warning notices and product identification to be marked on the awning to inform consumers of potential hazards and how to use the awning safely and effectively.** Finally, the standard requires manufacturers to provide detailed information on pitching, striking, and maintaining the awning.

Environmental Considerations: Emphasizes the environmental impact of awnings, encouraging the use of eco-friendly materials and responsible disposal practices.

Technical Specifications: Details requirements for dimensions, materials, and performance characteristics, including tensile strength, tearing strength, and resistance to weathering and water penetration.

Testing Procedure: It describes how to test the fabric of an awning for water resistance, including setting up the fabric, adding water, and checking for leaks at different intervals.

Safety Warnings: It mandates that awnings must have clear, visible warnings about fire safety and ventilation in multiple languages.

Product Identification: Awnings must be marked with specific information like the manufacturer's name, product details, and compliance with standards.

Manufacturer's Information: Detailed instructions must be provided with each awning, covering setup, maintenance, and safety precautions.

This standard provides a comprehensive framework for ensuring the quality and safety of vehicle awnings. This ensures that awnings are safe, reliable, and easy to use.