
Railway applications — Bodyside windows for rolling stock

*Applications ferroviaires — Fenêtres latérales pour le matériel
roulant*



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Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Technical and test requirements	4
4.1 General	4
4.2 Safety	6
4.2.1 General	6
4.2.2 Static strength of window	6
4.2.3 Aerodynamic fatigue loading	6
4.2.4 External impact performance	9
4.2.5 Shock resistance	10
4.2.6 Fragmentation for tempered glass	11
4.2.7 Internal soft body impact resistance	13
4.2.8 Emergency function	14
4.2.9 Guidance on the application of adhesive films	15
4.3 Quality	16
4.3.1 Appearance defects	16
4.3.2 Durability (weather-resistance)	20
4.3.3 Adhesive bonding	20
4.4 Function	21
4.4.1 Water tightness	21
4.4.2 Durability test for movable windows	23
4.4.3 Optical distortion	23
4.4.4 Dew point	24
5 Marking	24
Annex A (normative) Values for the aerodynamic fatigue loading test	25
Annex B (normative) Test method of external impact performance (small particles from track)	27
Annex C (normative) Test method of external impact performance (small missiles)	30
Annex D (normative) Passenger containment test	32
Annex E (informative) Alternative visual inspection procedure with a luminous board	34
Annex F (normative) Procedure for durability of edge seal by climatic test	36
Annex G (normative) Slanted projection line test	39
Bibliography	43

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 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 269, *Railway applications*, Subcommittee SC 2, *Rolling stock*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Railway applications — Bodyside windows for rolling stock

1 Scope

This document defines the classification, technical requirements, and markings for the following bodyside windows:

- a) standard windows:
 - 1) standard fixed windows;
 - 2) standard movable windows;
- b) emergency windows:
 - 1) emergency escape windows;
 - 2) emergency access windows.

NOTE In certain situations, emergency escape windows and emergency access windows are the same window.

This document applies to bodyside windows constructed from glazing materials only.

This document sets out requirements that apply to the glazing with its associated mounting arrangement.

This document applies to all windows mounted to the side of all types of railway vehicles, including heavy and urban rail vehicles. This includes windows mounted on the side of saloons, restaurant/buffet cars, vestibules, toilets, driving cabs, crew compartments and technical rooms.

This document does not apply to on-track machines.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3917:2016, *Road vehicles — Safety glazing materials — Test methods for resistance to radiation, high temperature, humidity, fire and simulated weathering*

ISO 7892:1988, *Vertical building elements — Impact resistance tests — Impact bodies and general test procedures*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>