

**NAMS 1191: 2023**

First Edition

**SANS 1191: 2013**

Edition 1.6

## **NAMIBIAN STANDARD**

# **High penetration-resistant laminated safety glass for vehicles**

This Namibian standard is the identical adoption of SANS 1191:2013 and is adopted with the permission of the South African Bureau of Standards (SABS)

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## **National foreword**

This Namibian Standard (NAMS) is identical to South African National Standards SANS 1191 High penetration-resistant laminated safety glass for vehicles, and was approved for adoptions by the Namibian Standards Institution's CEO.

Namibian standards are developed based on NSI Standards development procedures in accordance with the rules given in the International Organisation for Standardisation/ International Electrotechnical Commission (ISO/IEC) Directives 1, ISO/IEC Guide 21-1 Adoption of international standards as regional or national standards and WTO – TBT World Trade Organisation Code of Good Practice (which is published as Annex 3 in the TBT Agreement)

The NSI Technical Committee responsible for this standard is NSI TC 10, Vehicle and Road Safety.

This NAMS 1191: 2023 SANS 1191: 2013 was published on 01 September 2023.

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# **SOUTH AFRICAN NATIONAL STANDARD**

## **High penetration-resistant laminated safety glass for vehicles**

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**SANS 1191:2013**  
Edition 1.6

**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	1989	Amended to change a definition and to change the apparatus for the fracture and adhesion test and the impact-resistance test.
Amdt 2	1994	Amended to add a definition for high penetration-resistant safety glass, to add a requirement for resistance to humidity, to add a humidity test, and to change the windscreen rake angle.
Amdt 3	1995	Amended to clarify the positioning of shade bands and to allow for thick glass.
Amdt 4	1997	Amended to refer to the Standards Act, 1993 (Act No. 29 of 1993), and to the appropriate new certification mark <sup>a</sup> , to change the marking requirements and to include bullet-resistant glazing materials.
Amdt 5	2005	Amended to change the definition of "acceptable", the test for distortion of vision, and the procedure of the radiation test.
Amdt 6	2013	Amended to change the height of testing impact resistance.

<sup>a</sup> In the current edition, the certification mark has been removed.

**Foreword**

This South African standard was prepared by National Committee SABS/TC 022/SC 05, *Construction of motor vehicles – Automotive after market centres*, in accordance with procedures of the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in June 2013.

This document supersedes SANS 1191:2005 (edition 1.5).

A vertical line in the margin shows where the text has been technically modified by amendment No. 6.

**This document is referenced in the National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008) and the National Road Traffic Act, 1996 (Act No. 93 of 1996).**

**Compliance with this document cannot confer immunity from legal obligations.**

**Reaffirmed and reprinted in November 2018.  
This standard will be reviewed every five years and  
be reaffirmed, amended, revised or withdrawn.**

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