

**NAMS 1519-1: 2023**

First Edition

**SANS 1519-1: 2018**

Edition 2.4

## **NAMIBIAN STANDARD**

### **Road signs**

### **Part 1: Retro-reflective sheeting material**

This Namibian standard is the identical adoption of SANS 1519-1:2018 and is adopted with the permission of the South African Bureau of Standards (SABS)

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37 Feld Street  
P.O. Box 26364 Windhoek, Namibia  
Tel +264-61386400, Fax +264-61-386454  
Website: [www.nsi.com.na](http://www.nsi.com.na)  
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# **NAMS 1519-1: 2023**

First Edition

# **SANS 1519-1: 2018**

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## **National foreword**

This Namibian Standard (NAMS) is identical to South African National Standards SANS 1519-1 Road signs – Part 1: Retro-reflective sheeting material, 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 1519-1: 2023 SANS 1519-1: 2018 was published on 01 September 2023.

Reference is made in clause 1 to "relevant national legislation". In Namibia this means the Road Traffic and Transport Act, 1999 (Act No. 22 of 1999).

Annexes A and B are for information only.

# **SOUTH AFRICAN NATIONAL STANDARD**

## **Road signs**

### **Part 1: Retro-reflective sheeting material**

**WARNING**

**This document references other documents normatively.**



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**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	2006	Amended to update the definition of "acceptable" and referenced standards, to update requirements through the addition of two classes of retro-reflective materials and the subclause on specular gloss, and to update requirements and methods of test for coefficients of retro-reflection, colour, luminance factor, flexibility, resistance to corrosion and resistance to temperature changes, and accelerated natural and artificial weathering tests.
Amdt 2	2006	Amended to change the observation angle for materials of class I, II and III in the table on minimum coefficients of retro-reflection (new materials) (table 1), to change the minimum values of luminance factors of materials of class IV A and IV B (fluorescent orange, fluorescent yellow and fluorescent green) in the table on luminance factor (table 4), and to change the orientation angle for the reading taken in the retro-reflection test.
Amdt 3	2014	Amended to update referenced standards, move reference to legislation to the foreword, modify the definition of "specimen" and rezone the coordinates of yellow by removing classes I and II together with their coordinates and reference to classes III, IV A and IV B in the table on chromaticity co-ordinates and weathered materials (table 2) and in the chromaticity diagram (figure 2).
Amdt 4	2018	Amended to delete the footnote on the availability of referenced standards, the subclauses on resistance to corrosion test and on corrosion test, and the figure on apparatus for corrosion test.

**Foreword**

This South African standard was prepared by National Committee SABS/TC 1070, *Retro-reflection*, in accordance with procedures of the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in July 2018.

This document supersedes SANS 1519-1:2014 (edition 2.3).

A vertical line in the margin shows where the text has been technically modified by amendment No. 4.

**This document is referenced in the National Road Traffic Act, 1996 (Act No. 93 of 1996).**

**This document should be used in conjunction with the Southern African Development Community road traffic signs manual.**

Reference is made in clause 1 to "relevant national legislation". In South Africa this means the National Road Traffic Act, 1996 (Act No. 93 of 1996).

Annexes A and B are for information only.

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

## Contents

	Page
Foreword	
<b>1</b> Scope .....	3
<b>2</b> Normative references .....	3
<b>3</b> Definitions .....	4
<b>4</b> Requirements .....	5
<b>4.1</b> Constructional requirements .....	5
<b>4.2</b> Visual performance .....	6
<b>4.2.1</b> Classification .....	6
<b>4.2.2</b> Coefficient of retro-reflection .....	6
<b>4.2.3</b> Colour .....	8
<b>4.2.4</b> Luminance factor .....	9
<b>4.2.5</b> Specular gloss .....	9
<b>4.3</b> Physical performance .....	9
<b>4.3.1</b> Resistance to weathering .....	9
<b>4.3.2</b> Flexibility .....	10
<b>4.3.3</b> Impact resistance .....	10
<b>4.3.4</b> Adhesion .....	10
<b>4.3.5</b> Deleted by amendment No. 4.	
<b>4.3.6</b> Resistance to temperature changes .....	10
<b>5</b> Inspection and methods of test .....	10
<b>5.1</b> Inspection .....	10
<b>5.2</b> Test for coefficient of retro-reflection .....	10
<b>5.3</b> Colour and luminance factor test .....	10
<b>5.4</b> Accelerated natural weathering test .....	11
<b>5.5</b> Accelerated artificial weathering test .....	11
<b>5.6</b> Flexibility test .....	12
<b>5.7</b> Impact test .....	12
<b>5.8</b> Adhesion test .....	12
<b>5.9</b> Deleted by amendment No. 4.	
<b>5.10</b> Temperature test .....	13
<b>5.11</b> Specular gloss test .....	13
<b>6</b> Packing and marking .....	14
<b>Figures 1 to 2</b> .....	15-16
	<b>Amdt 4</b>
<b>Annex A</b> (normative) Quality verification of retro-reflective and non-retro-reflective black sheeting material .....	17
<b>Annex B</b> (informative) Bibliography .....	17