SOUTH AFRICAN NATIONAL STANDARD

Sawn softwood timber

Part 2: Stress-graded structural timber and timber for frame wall construction

WARNING — Can only be used in conjunction with SANS 1783-1.
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Table of changes

<table>
<thead>
<tr>
<th>Change No.</th>
<th>Date</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amdt 1</td>
<td>1999</td>
<td>Amended in respect of the dimensions for structural timber and to change the marking requirements.</td>
</tr>
<tr>
<td>Amdt 2</td>
<td>2001</td>
<td>Amended to change the marking requirements for rough sawn stress-graded structural timber and all 50 mm × 76 mm stress-graded structural timber.</td>
</tr>
<tr>
<td>Amdt 3</td>
<td>2003</td>
<td>Amended to change the requirements for the size of marking and for grade identification.</td>
</tr>
<tr>
<td>Amdt 4</td>
<td>2004</td>
<td>Amended to update referenced standards, to include a definition for &quot;approved&quot; and to renumber the existing definitions accordingly, to change the marking requirements, to change references to the certification mark scheme, and to delete reference to the South African Bureau of Standards (SABS) as the only approval authority.</td>
</tr>
<tr>
<td>Amdt 5</td>
<td>2005</td>
<td>Amended to add a grade requirement for the strength verification of visually graded structural timber, to include additional nominal widths in the table on nominal sizes of structural timber, to correct a nominal width in the table on tolerances, and to change the marking requirements for size of marking.</td>
</tr>
<tr>
<td>Amdt 6</td>
<td>2007</td>
<td>Amended to update referenced standards, to include a requirement for imported timber, to delete reference to single defects and to discoloration, to change two of the permissible defects in table 2, to change the verification requirements for visually graded timber, to change the requirements for the marking of regularized timber, and to renumber annex C (Bibliography).</td>
</tr>
<tr>
<td>Amdt 7</td>
<td>2009</td>
<td>Amended to change the requirements for machining defects, and to add dimensions for edge knots in table 1.</td>
</tr>
<tr>
<td>Amdt 8</td>
<td>2012</td>
<td>Amended to update the requirements for the grade identification and to update referenced standards.</td>
</tr>
<tr>
<td>Amdt 9</td>
<td>2013</td>
<td>Amended to modify the requirements for marking of finger-jointed timber.</td>
</tr>
</tbody>
</table>

Foreword

This South African standard was prepared by National Committee SABS/TC 1008/ SC 01, Wood and associated products – Sawn timber, 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 January 2014.

This document supersedes SANS 1783-2:2012 (edition 1.8).

A vertical line in the margin shows where the text has been technically modified by amendment No. 9.

Compliance with this document cannot confer immunity from legal obligations.

Reaffirmed and reprinted in May 2018. This document will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.

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Foreword (concluded)

SANS 1783 consists of the following parts, under the general title Sawn softwood timber:

Part 1: General requirements.

Part 2: Stress-graded structural timber and timber for frame wall construction

Part 3: Industrial timber.

Part 4: Brandering and battens.

Annexes A and B form an integral part of this document.

Introduction

The main purpose of grading structural timber is to establish and maintain an acceptable uniformity in the products of different mills, so that a given grade will represent the same quality and be usable for the same purpose, regardless of the nature of the raw materials from which it was derived or the mill by which it was produced. Grading therefore provides both manufacturers and users with known values on which to base contracts.

The grading in this part of SANS 1783 is based on the assumption that the boards are to be used in the dimensions in which they were graded. Conversion of any kind after grading will alter the size-defect ratio. Because of this and the possibility of their having been unsuitably stored or transported, boards marked in accordance with 7.2 cannot be assumed to comply with all the relevant requirements at any time other than the time of dispatch from the mill at which they were graded.