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**SANS 6182:2017**

Edition 1.2

# **SOUTH AFRICAN NATIONAL STANDARD**

## **Wooden doors — Class 1 — Determination of resistance to weathering**

**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	2004	Amended to change the designation of SABS standards to SANS standards with no technical changes.
Amdt 2	2017	Amended to update the test specimens and the procedure.

**Foreword**

This South African standard was prepared by National Committee SABS/TC 1008/SC 03, *Wood and associated products – Doors*, in accordance with procedures of South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in November 2017.

The document supersedes SANS 6182:2004 (edition 1.1).

A vertical line in the margin shows where the text has been technically modified by amendment No. 2.

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

## **Wooden doors — Class 1 — Determination of resistance to weathering**

### **1 Scope**

This standard specifies a method of determining the resistance of a class 1 wooden door to adverse weather conditions.

### **2 Normative reference**

The following standard contains provisions which, through reference in this text, constitute provisions of this standard. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this standard are encouraged to take steps to ensure the use of the most recent edition of the standard indicated below. Information on currently valid national and international standards can be obtained from the South African Bureau of Standards.

SANS 6128, *Resistance of wooden doors to slamming*.

### **3 Apparatus**

**3.1 Water-bath** of such size that the face of the door to be tested can be soaked in water in the bath (see 5.1).

**3.2 Water-bath** of such size that, when the door to be tested is kept in an upright position, at least 225 mm of the lower portion of the door can be immersed in water in the bath, and provided with a heating system that allows the water to be maintained at boiling point (see 5.3).

### **4 Test specimens**

A sample taken from normal production to be tested.

**Amdt 2** |

### **5 Procedure**

**5.1** Soak one face of the test specimen, to a depth of half the specimen's thickness, in water at ambient temperature in a water-bath (see 3.1) for a period of 24 h, and then allow the specimen to air-dry for 6 d.

**5.2** Repeat the procedure in 5.1 and record any sign of delamination or component failure or both.