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SOUTH AFRICAN NATIONAL STANDARD

Resistance of wooden doors to hard body impact

Published by the South African Bureau of Standards
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001
Tel: +27 12 428 7911 Fax: +27 12 344 1568

www.sabs.co.za

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Table of changes

Change No.	Date	Scope
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 requirements, and to update the figure on impact apparatus.

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 the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in November 2017.

This document supersedes SANS 6125: 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.

Resistance of wooden doors to hard body impact

1 Applicability

1.1 The purpose of the test is to determine the resistance of a wooden door to hard body impact.

2 Apparatus

2.1 A rigid test frame (see figure 1) of length and width 50 mm greater than the length and width of the largest door to be tested. The surface of the test frame is such that when two flat bars are laid across the frame, the bars will not be more than 1 mm out of plane.

2.2 An impact apparatus as shown in figure 2.

3 Test specimens

3.1 A sample taken from normal production to be tested.

Amdt 2 |

4 Procedure

4.1 So place the specimen on the test frame that the surface to be tested is uppermost.

4.2 Allow the steel impact ball to fall from the required height onto five points so randomly selected that no point lies within 150 mm of any edge of the door.

4.3 Visually examine the points of impact and record any signs of damage.

5 Report

5.1 Include the following in the test report:

- a) the name of the test laboratory, when relevant, and the date of test;
- b) a complete identification of the materials tested;
- c) a reference to the method of test;
- d) a table of the test results;
- e) discussion; and
- f) conclusion.