



BSI Standards Publication

Resilient, laminate and modular multilayer floor coverings — Determination of the electrical resistance

National foreword

This British Standard is the UK implementation of EN 1081:2018+A1:2020. It supersedes [BS EN 1081:2018](#), which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee PRI/60, Resilient and Laminate Floor Coverings.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020
Published by BSI Standards Limited 2020

ISBN 978 0 539 06541 1

ICS 97.150

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2018.

Amendments/corrigenda issued since publication

Date	Text affected
31 January 2019	Implementation of CEN correction notice 16 January 2019: reference to this standard in Clause 10 updated
28 February 2019	ISBN corrected
31 October 2020	Implementation of CEN amendment A1:2020

English Version

Resilient, laminate and modular multilayer floor coverings - Determination of the electrical resistance

Revêtements de sol résilients, stratifiés et multicouches modulaires - Détermination de la résistance électrique

Elastische, Laminat- und modulare mehrschichtige Bodenbeläge - Bestimmung des elektrischen Widerstandes

This European Standard was approved by CEN on 1 July 2018 and includes Amendment 0 approved by CEN on 10 August 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword	iii
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Sampling	4
5 Apparatus and reagents	5
5.1 Tripod electrode.....	5
5.2 Load.....	5
5.3 Power supply.....	5
5.4 Resistance meter.....	5
5.5 Temperature and humidity.....	5
6 Method A — For vertical resistance, R1	7
6.1 Principle.....	7
6.2 Additional apparatus and reagents.....	7
6.2.1 Conductive underlay (base electrode).....	7
6.2.2 Reagents.....	7
6.3 Preparation of test pieces.....	7
6.4 Conditioning.....	7
6.5 Procedure.....	7
7 Method B - For resistance to earth, R2	8
7.1 Principle.....	8
7.2 Reagents.....	8
7.3 Preparation of test pieces.....	8
7.4 Procedure.....	8
8 Method C for surface resistance, R3	9
8.1 Principle.....	9
8.2 Reagents.....	9
8.3 Preparation of test pieces.....	9
8.4 Procedure.....	9
9 Calculation and expression of results	10
9.1 Direct reading resistance meter.....	10
9.2 Resistance meter with internal resistance.....	10
10 Test report	11

European foreword

This document (EN 1081:2018+A1:2020) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, the secretariat of which is held by NBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1 approved by CEN on 10 August 2020.

This document supersedes  EN 1081:2018 .

The start and finish of text introduced or altered by amendment is indicated in the text by tags  .

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.