

BS EN 13420:2011

Incorporating corrigendum December 2011



BSI Standards Publication

Windows — Behaviour between different climates — Test method

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National foreword

This British Standard is the UK implementation of EN 13420:2011. It supersedes DD ENV 13420:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/538/1, Windows.

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

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

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ISBN 978 0 580 75751 8

ICS 91.060.50

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 May 2011.

Amendments/corrigenda issued since publication

Date	Text affected
31 December 2011	Implementation of CEN Correction Notice 18 May 2011: Correction to Figure 1

English Version

Windows - Behaviour between different climates - Test method

Fenêtres - Comportement entre climats différents -
Méthode d'essai

Fenster - Differenzklima - Prüfverfahren

This European Standard was approved by CEN on 10 March 2011.

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Foreword

This document (EN 13420:2011) has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

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

This document supersedes ENV 13420:2000.

The main modifications to ENV 13420:2000 are:

- a) Status of document changed from ENV to EN;
- b) The German title has been added among the titles of the standard;
- c) The Contents have been updated respectively revised;
- d) The description of test method 2 in Clause 1 has been rephrased;
- e) The description of the annexes has been rephrased;
- f) In 3.1 a reference to Annexes A and B has been integrated at the end;
- g) In Clause 4 the description of the principle tests has been split into the test procedure vapour diffusion and stability;
- h) In Clause 8 the reference to the values of EN 1121 has been deleted because the values given in Table 1 are completely different to those in EN 1121;
- i) Tolerances have been integrated in Table 1;
- j) The status of Annex B has been changed into a normative annex.

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Introduction

Through climatic loading of the windows it is possible in the case of unfavourable designs that the frames of windows manufactured of different materials may:

- decay through accumulation of moisture and may thus be damaged; this moisture may come from water vapour diffusion and condensation;
- be unable to fulfil their basic functions (serviceability, air permeability) because of unacceptable deformations.