



NSAI
Standards

Irish Standard
I.S. EN 16580:2015

Windows and doors - Wetness and splash water proof door leaves - Test and classification

I.S. EN 16580:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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English Version

Windows and doors - Wetness and splash water proof door leaves - Test and classification

Portes et fenêtres - Vantaux de portes résistants à l'humidité et aux projections d'eau - Essai et classification

Fenster und Türen - Feuchte- und spritzwasserbeständige Türblätter - Prüfungen und Klassifizierung

This European Standard was approved by CEN on 27 June 2015.

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European foreword

This document (EN 16580:2015) 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of an identical text or by endorsement, at the latest by February 2016 and conflicting national standards shall be withdrawn at the latest by February 2016.

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EN 16580:2015 (E)

Introduction

Increased requirements for hygiene lead to more intensive cleaning; at the same time, the working time spent on cleaning will be shortened and this requires cleaning processes which are efficient and automatically more stressing for the door leaves.

1 Scope

This European Standard identifies the performance characteristic that is applicable to door leaves for pedestrian doors, independent of the material, that are exposed to extended periods of wetness and/or frequent splash water.

NOTE Rain is not considered as “frequent splash water” condition.

This European Standard does not apply to:

- door leaves exposed to liquid having a pH-value lower than 5.5 or higher than 8.5;
- door frames, complete door assemblies or doorsets.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 951, *Door leaves - Method for measurement of height, width, thickness and squareness*

EN 952:1999, *Door leaves - General and local flatness - Measurement method*

EN 1027, *Windows and doors - Watertightness - Test method*

EN 1294, *Door leaves - Determination of the behaviour under humidity variations in successive uniform climates*

EN 1670, *Building hardware - Corrosion resistance - Requirements and test methods*

EN 12219:1999, *Doors - Climatic influences - Requirements and classification*

EN 12519:2004, *Windows and pedestrian doors - Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12519:2004 and the following apply.

3.1

wetness door leaves

door leaves exposed to extended periods of wetness

3.2

splash water proof door leaves

door leaves used in areas where cleaning and/or splashing with water frequently takes place

4 Test specimen

The test shall be carried out on at least 3 test specimens of the same construction. Essential performance relevant design features of the constructive moisture protection shall be identical in all 3 specimens.

The width of the test specimen shall be between 800 mm to 1 000 mm and the height shall be between 1 900 mm to 2 250 mm. For specific projects or due to design and/or production constraints, other sizes can be used if clearly mentioned in the test report.

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