

Curtain walling - Watertightness - Performance requirements and classification

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requirements and classification

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12154:2000 sisaldab Euroopa standardi EN 12154:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.06.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12154:2000 consists of the English text of the European standard EN 12154:1999.</p> <p>This document is endorsed on 16.06.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This standard defines the requirements and classification of watertightness performance of both fixed and movable parts of curtain walling under static pressure. This standard applies to any curtain walling product as defined in En(WI)33 238.</p>	<p>Scope:</p> <p>This standard defines the requirements and classification of watertightness performance of both fixed and movable parts of curtain walling under static pressure. This standard applies to any curtain walling product as defined in En(WI)33 238.</p>
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English version

Curtain walling

Watertightness – Performance requirements and classification

Façades rideaux – Etanchéité à l'eau – Exigences de performance et classification

Vorhangfassaden – Schlagregendichtheit – Leistungsanforderungen und Klassifizierung

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Contents

Foreword	2
1 Scope	3
2 Normative References	3
3 Definitions	3
4 Requirements	3
5 Test methods	4
6 Classification	4
Bibliography	5

Foreword

This European Standard 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 June 2000, and conflicting national standards shall be withdrawn at the latest by June 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This European standard is part of a series of European standards dedicated to Curtain walling products.

This European standard forms part of a series of curtain walling performance requirements as defined in the product standard WI 00033 238.

1 Scope

This standard defines the requirements and classification of watertightness performance of both fixed and openable parts of curtain walling under positive static air pressure.

NOTE : This standard applies to curtain walling in accordance with WI 00033238.

2 Normative References

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate points in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these listed publications apply to this European Standard only when incorporated into it by amendment or revision. For undated references the latest edition of the publication referred to applies.

prEN 13119:1997 Curtain walling - Terminology.

prEN 12155:1995 Curtain walling - Watertightness - Laboratory test under static pressure

3 Definitions

For the purposes of this standard, the definitions given in prEN 13119:1997, together with the following, apply:

3.1 test pressure: Differential pressure between the two faces of the test specimen, expressed in Pascals (Pa).

3.2 positive pressure: when outer face is subjected to higher pressure than inner face.

3.3 watertightness: The ability of the curtain walling to resist water leakage.

3.4 water leakage: The penetration of water that would continuously or repeatedly wet parts of:

1. the inside face of the test specimen.
2. any parts of the specimen intended to remain dry, not being part of the water drainage system to the outside.

3.5 limit of watertightness: The maximum test pressure for which the specimen remains watertight for the specified time (see Table 1).

4 Requirements

There shall be no water leakage to the maximum test pressure (P_{max}) throughout the sequence of test pressures and times specified in Table 1.