



NSAI
Standards

Irish Standard
I.S. EN 15998:2010

Glass in building - Safety in case of fire,
fire resistance - Glass testing
methodology for the purpose of
classification

I.S. EN 15998:2010

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English Version

Glass in building - Safety in case of fire, fire resistance - Glass testing methodology for the purpose of classification

Verre dans la construction - Sécurité en cas d'incendie, résistance au feu - Méthodologie d'essai du verre à des fins de classification

Glas im Bauwesen - Brandsicherheit, Feuerwiderstandsfähigkeit - Verfahrensweise von Glasprüfungen zur Klassifizierung

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Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Principles	9
4.1 General.....	9
4.2 Testing to determine fire resistance as a product characteristic for a glass.....	9
4.3 Applicable fire resistance tests.....	10
4.4 Glass products.....	10
4.5 Classification report(s).....	10
5 Sampling.....	10
5.1 General.....	10
5.1.1 General remark.....	10
5.1.2 Classification of a glass product	11
5.1.3 Market application testing	11
5.2 For determination of fire resistance as a product characteristic for a glass	11
5.2.1 Classification of a glass product	11
5.2.2 Market application testing	12
5.3 Non-sampled test results.....	12
5.3.1 General.....	12
5.3.2 Classification of a glass product	12
5.3.3 Market application	12
5.4 Historic data	12
6 Use of test data in EXAP	13
Annex A (informative) List of possible glass product standards (see 4.5)	14
A.1 Monolithic basic or special basic glasses	14
A.2 Monolithic thermally toughened glasses	14
A.3 Laminated and laminated safety glasses.....	15
A.4 Insulating glass units	15
A.5 Coated glass.....	15
Annex B (informative) Market application testing.....	16
B.1 General.....	16
B.2 Sampling.....	16
B.2.1 General.....	16
B.2.2 ITT for system manufacturer	16
B.2.3 Test results to be used for extended applications (EXAP)	16
B.2.4 Non-sampled test results.....	16
Bibliography	18

Foreword

This document (EN 15998:2010) has been prepared by Technical Committee CEN/TC 129 "Glass in building", 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of an identical text or by endorsement, at the latest by May 2011, and conflicting national standards shall be withdrawn at the latest by May 2011.

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Introduction

According to mandate M/135 "Glass in building", one of the essential characteristics that may be claimed is *Safety in case of fire – Resistance to fire (for glass for use in a glazed assembly intended specifically for fire resistance)*. However, glass products cannot be tested and classified for fire resistance without being incorporated into a fire resistant glazed assembly.

1 Scope

This European Standard specifies the testing methodology to be used for glass products that are claiming fire resistance. The methodology covers Initial Type Testing as defined in the relevant glass product standard.

NOTE This document provides guidance with the declaration of the characteristic, Safety in case of fire – Resistance to fire (for glass for use in a glazed assembly intended specifically for fire resistance) for the CE marking.

The same methodology can also be used to determine the performance classification for market applications (see Annex B).

The methodology covers all glass product types that may require testing and classification for fire resistance.

Fire resistance testing covers end use applications for example:

- doors;
- partitions, walls (including curtain walling);
- floors, roofs;
- ceilings.

2 Normative references

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

EN 1363-1, *Fire resistance tests — Part 1: General requirements*

EN 1363-2, *Fire resistance tests — Part 2: Alternative and additional procedures*

EN 1364-1, *Fire resistance tests for non-loadbearing elements — Part 1: Walls*

EN 1364-2, *Fire resistance tests for non-loadbearing elements — Part 2: Ceilings*

EN 1364-3, *Fire resistance tests for non-loadbearing elements — Part 3: Curtain walling — Full configuration (complete assembly)*

EN 1365-1, *Fire resistance tests for loadbearing elements — Part 1: Walls*

EN 1365-2, *Fire resistance tests for loadbearing elements — Part 2: Floors and roofs*

EN 1634-1, *Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware — Part 1: Fire resistance tests for doors, shutters and openable windows*

EN 13501-2:2007+A1:2009, *Fire classification of construction products and building elements — Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 15254-4, *Extended application of results from fire resistance tests — Non-loadbearing walls — Part 4: Glazed constructions*

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