

ICS 13.220.50
CCS C 82



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 9978.4-2008

**Fire-resistance tests -- Elements of building construction -- Part
4: Specific requirements for loadbearing vertical separating
elements**

建筑构件耐火试验方法 第4部分：承重垂直分隔构件的特殊要求

(English Translation)

Issued on: June 26, 2008

Implemented on: March 1, 2009

Issued by: Standardization Administration of China

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and definitions
4 Symbols and abbreviations
5 Test apparatus
6 Test conditions
7 Specimen preparation
8 Instrument
9 Test Method
10 Criteria
6 11 test validity
6 12 test results are shown
13 Test Report

Foreword

GB/T 9978 "building components resistance test methods" is expected to be divided into several parts as follows.

- Part 1. General requirements;
- Part 2. fire resistance test furnace calibration;
- Part 3. Test methods and test data application notes;
- Part 4. load-bearing vertical partition member of the special requirements;
- Part 5. horizontal load-bearing partition member of the special requirements;
- Part 6. Particular requirements for the beam;
- Part 7. Particular requirements for the column;
- Part 8. Particular requirements for non-load-bearing vertical partition member;
- Part 9. Particular requirements for non-load-bearing ceiling member;

This section GB/T 49978 Part of.

The partial modification of the use of ISO 834-4:2000 "Fire resistance tests for building

elements - Part 4. load-bearing vertical partition member special to Seeking "(in English).

This section according to ISO 834-4:2000 redrafted. Appendix A of ISO 834-4:2000 original Appendix and Appendix B lists headquarters Sub-reg number and ISO 834-4:2000 reg control list numbered.

Taking into account China's national conditions, in the use of ISO 834-4:2000 when this part has made several modifications. About the technical differences have been incorporated into the text and identifies a single vertical line in which they are involved with the provisions margin. Given these technical differences and its prime in Appendix C Because the list for reference.

For ease of use, corresponding to ISO 834-4:2000, this section also made the following editorial changes.

--- "This part of ISO 834" was changed to "GB/T 9978 to the present section";

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Remove the foreword and introduction of international standards.

This part of the Annex A, Annex B, Annex C is informative appendix.

This section presents the People's Republic of China Ministry of Public Security.

This part of the National Standardization Technical Committee on Fire Building Fire Resistance member Technical Committee (SAC/TC113/SC8) centralized.

This section is drafted. Tianjin Fire Research Institute of Ministry of Public Security.

1 Scope

This section GB/T 9978 specifies the fire resistance test method for testing load-bearing vertical partition member side when exposed to fire.

This section applies to the vertical load-bearing partition member of the fire resistance test; when the building structure member untested section gives a straight line with the Applications received when a predetermined condition, fire resistance test has been carried out according to provisions of this Part of building elements, the fire resistance test results can be applied without Similar building components.

2 Normative references

The following documents contain provisions which, through reference to GB/T 9978 to the present, constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest

versions apply to this section.

GB/T 5907 basic fire Terminology Part 1) GB/T 9978.1 building components resistance test methods - Part 1. General requirements (GB/T 9978.1-2008, ISO 834-1.

1999, MOD)

GB/T 9978.3 building components resistance test methods - Part 3. Test methods and test data application notes (GB/T 9978.3-2008, ISO/T R834-3.1994, MOD)

1) This standard will be revised in the integration of GB/T 5907-1986, GB/T 14107-1993 and GB/T 16283-1996 based on the "Fire Vocabulary" as the general title, is divided into five sections. Wherein, Part 2 GB/T 5907.2 "Fire Vocabulary - Part 2. Fire Safety Vocabulary" will modify the use of ISO 13943:2000.

3 Terms and Definitions

GB/T 5907 and GB/T 9978.1 and established the following terms and definitions apply to this section.

Will be separated into several buildings within a fire area and/or a building adjacent buildings separated to prevent fires in the anti Vertical isolation between the fire area or building components spread between different buildings. Such as. Firewall.

Building partition vertical load-bearing member.

4 Symbols and Abbreviations

Symbols and abbreviations GB/T 9978.1 regulations apply to this section.

5 Test device

This part of the test using the test apparatus and the relevant provisions of GB/T 9978.1 the same, including a test furnace, loading device constraints Member and the support frame. Figure 1 is a schematic view of the test apparatus.