



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

GB 50877-2014

**Code for installation and acceptance of fire resistant shutters,
fire resistant door-sets and fire resistant windows**

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(English Translation)

Issued on: January 9, 2014

Implemented on: August 1, 2014

Issued by: Ministry of Housing and Urban-Rural Development;

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1 General Provisions

1.0.1

This code is formulated in order to the quality and service function during the installation of fire resistant shutters, fire resistant doorsets and fire resistant windows, reduce fire hazards and protect personal and property safety.

1.0.2 This code is applicable to the installation, acceptance and maintenance

management of fire resistant shutters, fire resistant doorsets and fire resistant windows for construction, extension and renovation.

1.0.3 The requirements for installation and acceptance specified in relevant engineering documents and contracts for installing and acceptance of fire resistant shutters, fire resistant doorsets and fire resistant windows shall at least meet those specified in this code.

1.0.4 Installation, acceptance and maintenance management of fire resistant

shutters, fire resistant doorsets and fire resistant windows shall not only meet the requirements stipulated in this code, but also comply with those specified in the current relevant national standards.

2.0.1 Fire resistant shutter

A kind of facility with its frame to be capable of fire prevention and thermal insulation in a certain period of time.

2.0.2 Steel fire resistant shutter

A kind of facility, equipped with door roller and control box, whose slat, guide rail, riser plate, lintel and box are made of steel materials.

2.0.3 Mineral fiber composites fire resistant shutter

A kind of facility, equipped with door roller and control box, whose shutter surface (equipped with stainless steel wire or rope) is made of mineral fibers, clamp plate, guide rail, riser plate, lintel and box are of steel materials.

3 Basic Requirement

3.0.1

Corresponding technical standard for installation, process specification and implementation scheme, quality management system, installation quality control and inspection system shall be available for management of construction site. The quality control on construction site shall be inspected and recorded in accordance with the requirements of Appendix A.

3.0.2 Prior to installation of fire resistant shutters, fire resistant doorsets and fire

resistant windows, the following technical information shall be available.

3.0.4 Subsection project, sub-subsection project and sub-item project relating to fire

resistant shutters, fire resistant doorsets and fire resistant windows may be categorized in accordance with Appendix B of this code.

3.0.5 Installation quality control and acceptance of fire resistant shutters, fire

resistant doorsets and fire resistant windows shall be performed in accordance with the requirements of Chapter 4~Chapter 7.

3.0.6 Qualification judgment of inspection and acceptance shall meet the following

requirements.

4.1 General Requirement

4.1.1

Site inspection held by installation organization and supervised by supervision organization shall be performed for main parts and accessories of fire resistant shutters, fire resistant doorsets and fire resistant windows.

4.2.1 Fire resistant shutter and its corresponding smoke and heat detectors

shall be provided with delivery certificate and valid documentation conforming to the requirements of market-access system. Its model/specification and fire resistance shall meet the design requirements.

4.2.2 Permanent labels shall be installed obviously on each set of fire resistant

shutter and its corresponding door roller, controller, manual button box and thermal release device., on which the name and model/specification, fire resistance and trademark of product, as well as name and address of production unit (manufacturer), delivery date, product No. or production batch No., and executive standard shall be marked.

4.3.1 Fire resistant doorset shall be provided with delivery certificate and valid

documentation conforming to the requirements of market-access system. Its model/specification and fire resistance shall meet the design requirements.

Inspection quantity. 100% inspection.

Inspection method. inspecting whether name, model/specification and fire resistance of the product meet the valid documentation conforming to the requirements of market-access

system and design requirements.

4.4.1 Fire resistant window shall be provided with delivery certificate and valid

documentation conforming to the requirements of market-access system. Its model/specification and fire resistance shall meet the design requirements.

Inspection quantity. 100% inspection.

Inspection method. inspecting whether name, model/specification and fire resistance of the product meet the valid documentation conforming to the requirements of market-access system and design requirements.

4.4.2 Permanent label shall be installed obviously on each set of fire resistant

windows, on which the name and model/specification, fire resistance and trademark of product, as well as the name and address of production unit (manufacturer), delivery date, product No. or production batch No., and executive standard shall be marked.

5.1.1 Fire resistant shutters, fire resistant doorsets and fire resistant windows shall

be installed in accordance with the requirements of installation drawing, design instructions, design alteration notice and other technical documents.

5.2 Fire Resistant Shutters Installation

5.2.1

Fire resistant shutter surface and slat shall be installed according to the following requirements.

5.2.2

Guide rail shall be installed according to the following requirements.

1 Embedded depth of guide rail into fire resistant shutter slat or surface shall be in accordance with Table 5.2.2.

5.2.7 Protective cover (box) shall be installed according to the following

requirements.

5.2.8 Installation position of thermal release device shall meet the requirements of design and product instructions.