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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JG/T 115-2018

Replacing JG/T 73-1999; JG/T 115-1999

Steel door and window profiles for architecture

(English Translation)

Issued on: November 7, 2018 **Implemented on: April 1, 2019**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces JG/T 115-1999 "Color coated steel door and window profiles", JG/T 73-1999 "stainless steel building profiles". This standard Compared with JG/T 115-1999 and JG/T 73-1999, the main technical changes except editorial changes are as follows.

--- Revised the scope of application of the standard, covering a variety of steel material door and window profiles;

--- Increased the definition of the bending resistance of the main profile, supporting profiles and profiles, and added the profile construction diagram in the appendix;

--- Revised the classification method of steel door and window profiles for construction;

--- Added the general requirements of Chapter 5, respectively proposed for metal materials, non-metallic auxiliary materials for thermal insulation, profile cross-section design Claim;

--- Modified some processing accuracy indicators;

--- Increased the requirements for composite steel door and window profiles, and refined the test method.

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Standardization Technical Committee for Building Products and Components of the Ministry of Housing and Urban-Rural Development.

This standard was drafted. China Building Metal Structure Association, Shanghai Sanyi Electromechanical Equipment Co., Ltd., Chongqing Hua Xiamen Window Co., Ltd.

Division, Shanghai Yibida Color Steel Products Co., Ltd., Datong City Star Door and Window Technology Industrial Park Co., Ltd., Shijiazhuang City Company, Sichuan Sanxin Color Steel Co., Ltd., Xiangtan Rongxiang Door and Window Products Co., Ltd.,

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Qinhuangdao Qiming Doors and Windows Co., Ltd., Suzhou King Kong Fireproof Steel Profile System Co., Ltd., Dalian Jinnuoge Industrial Technology Co., Ltd., Jiangsu Weilesen Metal Profile Technology Co., Ltd., Switzerland Real Stock Company Shanghai Representative Office, Aifujie (Shanghai) Building Materials Co., Ltd., Wangli Group Co., Ltd., Zhejiang Xingyue Door Industry Co., Ltd.

Zhejiang Dali Industry and Trade Co., Ltd., Zhejiang Jinkaide Industrial Co., Ltd., ASSA Hecai Guoqiang (Shandong) Hardware Technology Co., Ltd., Jiangsu Province Construction Engineering Quality Inspection Center Co., Ltd., Beijing Building Materials Inspection and Research Institute Co., Ltd.

1 Scope

This standard specifies the classification and marking of general steel door and window profiles for construction, general requirements,, test methods, inspection rules, signs, packaging, Transportation and storage.

This standard applies to industrial and civil construction steel doors, steel window profiles.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 700 carbon structural steel GB/T 716 carbon structural steel cold rolled steel strip General provisions for GB/T 2101 steel acceptance, packaging, marking and quality certificates GB/T 2518-2008 continuous hot-dip galvanized steel sheet and strip GB/T 3280 stainless steel cold rolled steel plate and strip GB/T 5823 building door and window terminology GB/T 8484-2008 Building exterior door and window insulation performance grading and testing method GB/T 12754 color coated steel sheet and strip GB/T 23615.1-2017 Thermal insulation materials for aluminium alloy building profiles - Part 1. Polyamide profiles GB/T 23615.2-2017 Thermal insulation materials for aluminium alloy building profiles - Part 2 GB/T 28289 Aluminum alloy insulation profile composite performance test method GB/T 50083-2014 Basic structural terminology for engineering structure design JG J113 Architectural Glass Application Technical Regulations

3 Terms and definitions

The following terms and definitions as defined in GB/T 5823 apply to this document.

Steel door and window profiles for construction steeldoorandwindowprofilesforarchitecture it adopts standardized and large-scale production methods and is made of materials such as

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hot-rolled steel, cold-rolled steel, color-coated steel and stainless steel.

A geometrical section dedicated to the construction of steel components for building doors and windows.

Main profile mainprofiles it is used for the profiles of the main force-receiving members of doors and windows such as frames, rafts and smashing materials.

Matching profiles (auxiliary profiles) accessorialprofiles it is installed on the main profile and is used for profiles of non-mainly stressed components such as glass beading and water lining.

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