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JG

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JG/T 258-2009

Replacing JG/T 258-2009

Nonmetallic and foil-insulant composite air duct

(English Translation)

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Preview: page 1 of 4 shown, 24 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jg-t-258-2009

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions

Foreword

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

This standard is a revision of JG/T 258-2009 "Non-Metal and Composite Ducts", and major technical changes compared to JG/T 258-2009.

as follows.

--- Increased terms and definitions for flexible ducts;

--- Simplified classification method;

--- Increased visual inspection requirements for flexible ducts;

--- Refine the classification of the air leakage of the duct;

--- Increased the limit of air pollutant concentration limit;

--- Increased the basic provisions of the BIM model;

--- Increased requirements for duct strength, mildew resistance, and antibacterial properties;

--- Increased the requirements for the instruction manual and certificate;

--- Modified the requirements for packaging, transportation and storage;

--- Increased test methods and determination conditions for duct fire resistance;

--- Increased air duct anti-condensation test method;

--- Increased test method for impact resistance of flexible ducts;

--- Increased the test method for fiberglass fiber duct shedding;

--- Increased duct strength test method;

--- Increased flexible duct permeability test method.

This standard was proposed by the Institute of Standardization of the Ministry of Housing

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and Urban-Rural Development.

This standard is under the jurisdiction of the Building Environment and Energy Conservation Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

This standard was drafted. China Building Science Research Institute Co., Ltd., China Installation Association, China Gezhouba Group Real Estate Development Limited Company, Tianjin Jinbeier Construction Engineering Test and Testing Technology Co., Ltd., Dukensos (Wuhan) Air Distribution System Co., Ltd., Tianjin Erjian Hydropower Installation Engineering Co., Ltd., China Construction Fifth Bureau Industrial Equipment Installation Co., Ltd., Owens Corning (China) Investment Co., Ltd., Qingdao Eddie Sibu Fabric Co., Ltd., Dukan New Materials (Wuhan) Group Co., Ltd., Chongqing Siyuan Construction Technology Co., Ltd.

1 Scope

This standard specifies the classification and marking of non-metal and composite ducts (hereinafter referred to as ducts), general requirements,, test methods, inspection rules Then, signs, instructions for use and certificates, packaging, transportation and storage.

This standard applies to non-metal and used in the construction, expansion and reconstruction of industrial and civil building ventilation, air conditioning engineering and smoke control projects.

Composite duct.

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 191 packaging storage and transportation icon GB/T 2624.3 Measuring full fluid flow with differential pressure devices installed in circular cross-section pipes - Part 3. Nozzles and Nozzle GB 8624 Classification of combustion properties of building materials and products GB/T 9969 General guidelines for the use of industrial products GB/T 9978.1 Fire resistance test methods for building components - Part 1. General requirements GB 10294 Thermal insulation material - Determination of steady state thermal resistance and related characteristics - Shielding hot plate method GB/T 12703.4 Evaluation of electrostatic properties of textiles GB 15930-2007 Fire damper for building ventilation and smoke exhaust system GB/T 18696.1 Measurement of sound absorption and acoustic impedance in acoustic impedance tubes - Part 1 GB/T 18883 indoor air quality standard GB/T 24346

Preview: page 3 of 4 shown, 24 in the full document. Complete English PDF, instant download:
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Evaluation of mildew resistance of textiles JG J/T 141 Ventilation Pipeline Technical Regulations JC/T 939 Antibacterial properties of antibacterial plastic pipes for construction QB/T 2591-2003 Antibacterial plastic test method and antibacterial effect

3 Terms and definitions

The following terms and definitions apply to this document.

Nonmetal duct nonmetalicairduct A duct made of one or more non-metallic materials.

Composite duct foil-insulantcompositeairduct A duct made of a non-metallic material and a metal veneer.

Duct connector airductconnectingparts Connect metal or non-metal parts of each duct.

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