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

中华人民共和国国家标准

GB/T 17393–2008

Replace GB/T 17393–1998

**Specification for thermal insulation for use in contact
with austenitic stainless steel**

覆盖奥氏体不锈钢用绝热材料规范

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Foreword

This Standard refers to ASTM C795-2003 *Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel* and ASTM C692-2006 *Standard Test Method for Evaluating the Influence of Thermal Insulations on External Stress Corrosion Cracking Tendency of Austenitic Stainless Steel*.

This Standard will replace GB/T 17393-1998 Standard specification of thermal insulation materials for use over austenitic stainless steel.

Comparison with previous standard, main technical changes of this Standard are as follows:

- Add of test method (instillation) for evaluation of impact of thermal insulation material on austenitic stainless steel stress corrosion cracking, as Annex A;
- Add of insulation material water leaching solution pH value determination, as Annex B.

Pay attention to some contents in this Standard may come to patent, published department of this Standard shall not be responsible for these patents.

Annex A and Annex B of this Standard are normative annex.

This Standard is proposed by China Building Material Association.

This Standard is under the jurisdiction of National Technical Committee 191 on Insulation Materials of Standardization Administration of China.

Chief draft unit of this Standard is Nanjing Research & Design Institute of Glass Fibre.

Participate units of this Standard are Owens Corning (China) Fiberglas Co., Ltd., Zhejiang Deqing Pusen Refractory Matter Co., Ltd, CSR (Guangzhou) Building Materials Co., Ltd.

Chief drafters of this Standard are Shao Deren, Yang Chunying, Ge Dunshi and Wang Zhi.

The publication history of the previous standards replaced by this standard is as follows:

- GB/T 17393-1998.

Standard of Thermal Insulation Materials for Covering Austenitic Stainless Steel

1 Scope

This standard specifies terms and definitions, general requirements, requirements, test methods, inspection rules and packaging, mark, transportation and storage about thermal insulation material for covering austenitic stainless steel (hereinafter referred to as the insulation material).

This standard applies to fibrous insulation materials, including aluminum silicate cotton, rock wool, slag cotton, glass wool and related products, and can also apply to other insulation materials, such as calcium silicate, composite silicate, foam asbestos, foam plastic, foam rubber and plastic, etc.

This standard does not intend to raise all of the safety problems related to using this standard. The user of the standard is responsible for establishing appropriate safety and health rules and regulations before use, and decides whether relevant regulations and limits can be adopted or not.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 228 Metallic materials--Tensile testing at ambient temperature

GB/T 4132 Definitions of terms relating to thermal insulating materials

GB/T 15970.3 Corrosion of metals and alloys-Stress corrosion testing-Part 3: Preparation and use of U-bend specimens

GB/T 20878 Stainless and heat-resisting steels—Designation and chemical composition

JC/T 618-2005 Method of chemical analysis of thermal insulation materials for leachable chloride fluoride silicate and sodium ions

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions and those established in GB/T 4132 apply.



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