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

CJ/T 200-2004

**Preformed directly buried steam insulating pipes
technical-specification for heating in city**

城镇供热预制直埋蒸汽保温管技术条件

(English Translation)

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Foreword

This standard is mainly for the basic performance of prefabricated direct buried steam insulation pipe, material performance indicators of different insulation structures and corresponding tests.

The test method puts forward the requirements. In order to avoid limiting the development of steam insulation pipe technology, the standard does not stipulate the specific structure of the product, in order to continuously develop and perfect. However, the basic performance of the insulation pipe and the insulation pipe material used shall comply with the provisions of this standard and shall also meet the corresponding national standards.

Claim.

This standard is the first industry standard, and there is no reference to international standards and foreign standards.

This standard is one of the series of standards for "preheating and burying insulation pipes for urban heating". The standards of this series are as follows.

"High-density polyethylene outer protective tube polyurethane foam prefabricated direct buried insulation pipe" "High-density polyethylene outer tube polyurethane foam prefabricated direct buried insulation pipe fittings" "Glass fiber reinforced plastic outer protective tube polyurethane foam prefabricated direct buried insulation pipe" Technical Conditions for Prefabricated Direct Buried Steam Insulation Pipes for Urban Heating Technical Conditions for Prefabricated Direct Buried Steam Insulation Pipes for Urban Heating Appendix A of this standard is a normative appendix.

This standard was proposed by the Institute of Standards and Ratings of the Ministry of Construction.

This standard is under the jurisdiction of the Urban Construction Research Institute of the Ministry of Construction's Urban Construction Standard Technology.

This standard was drafted. Urban Construction Research Institute, Dalian Kehua Heat Pipe Co., Ltd., Dalian University of Technology, Sinopec Shanghai Jinshan Stone Chemical

Design Institute City Branch, Shanghai Kehua Heat Pipe Co., Ltd., Dalian Xinguang Pipe Manufacturing Co., Ltd., Tianjin Pipeline Engineering Group Insulation Pipe Factory, Harbin Dongguang Machinery Co., Ltd., Zhejiang Asker New Insulation Material Co., Ltd., Hebei Huaifu Pipeline Anti-corrosion and heat preservation Co., Ltd., Jiangsu Dilong Pipe Industry Co., Ltd., Tianjin Zhongyou Boxing Engineering Technology Co., Ltd., Shanghai Heat Network Steam Pipeline Development Co., Ltd., Dalian Tianzheng Thermal Energy Equipment Co., Ltd.

1 Scope

This standard stipulates the basic structure, materials, performance, and products of urban heating prefabricated direct buried steam insulation pipe (hereinafter referred to as steam insulation pipe).

Test methods and inspection rules, as well as product marking, transportation and storage requirements.

This standard is applicable to the prefabrication of steam insulation pipes with a medium temperature less than or equal to 350 ° C and a working pressure of not more than 1.6 MPa.

test.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study if it is possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB 2828 batch-by-batch inspection sampling procedure and sampling table GB 2829 cycle check count sampling procedure and sampling table GB 3087 low and medium pressure boiler seamless steel pipe GB/T 3091 welded steel pipe for low pressure fluid transportation GB/T 8163 seamless steel pipe for conveying fluid GB 8923-1988 Surface rust grade and rust removal grade of steel before painting GB/T 9711.1 Technical requirements for delivery of steel pipes for oil and gas industry Part I GB/T 17393 covering insulation materials for austenitic stainless steel GB 50236 Field equipment, industrial pipeline welding engineering construction and acceptance specifications CJ/T 114-2000 high density polyethylene outer tube polyurethane foam prefabricated direct buried insulation pipe CJ/T 129-2001 Glass fiber reinforced plastic outer sheath polyurethane foam prefabricated direct buried insulation pipe CJ/T 3022 Spiral Welded Steel Pipe for Urban Heating Heat loss test and insulation effect evaluation of CJ/T 140 heating pipe insulation structure Chemical analysis method for soluble chloride fluoride silicate and sodium ion in JC/T 618 thermal insulation material

SY/T 0413-2002 Technical standard for polyethylene anti-corrosion layer of buried steel pipeline SY/T 5037 spiral submerged arc welded steel pipe for low pressure fluid transportation

3 Terms

A steel pipe used to transport steam in a steam insulation pipe.

The steam insulation tube supports the components of the working tube, so that the working tube can be displaced along the specified direction as the temperature changes.

Between the working tube and the hard inorganic insulating layer, the interlayer is provided for damping and preventing damage of the inorganic insulating layer.