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مصوب



شرکت ملی گاز ایران

مدیریت پژوهش و فناوری

امور تدوین استانداردها

IGS

مشخصات فنی

Technical Specification

نوار حرارتی نوع قیر پایه نفتی اصلاح شده برای عایقکاری سرجوش ها و تعمیرات

Hot Applied Modified Bituminous Tape for the Corrosion
Protection of Field Joints and Repair



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دفتر مدیر عامل



ابلاغ مصوبه هیأت مدیره



مدیر محترم پژوهش و فناوری

باسلام،

به استحضار می‌رساند در جلسه ۱۶۳۳ مورخ ۱۳۹۳/۱۲/۳ هیأت مدیره، نامه شماره ۱۷۲۶۴۸۰۰۰/۹ مورخ ۱۳۹۳/۱۱/۲۹ مدیر پژوهش و فناوری و رئیس شورای استاندارد در مورد تصویب نهایی استاندارد تحت عنوان مشخصات نوار حرارتی نوع غیر پایه تقنی اصلاح شده برای عایق کاری سرچشوها و تعمیرات با شماره استاندارد IGS-M-TP-014-8(1) مطرح و مورد تصویب قرار گرفت.

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FOREWORD

This standard is intended to be mainly used by NIGC and contractors, and has been prepared based on interpretation of recognized standards, technical documents, knowledge, backgrounds and experiences in natural gas industry at national and international levels.

Iranian Gas Standards (IGS) are prepared, reviewed and amended by technical standard committees within NIGC Standardization division and submitted to the NIGC's "STANDARDS COUNCIL" for approval.

IGS Standards are subject to revision, amendment or withdrawal, if required. Thus the latest edition of IGS shall be checked/inquired by NIGC employees and contractors.

This standard must not be modified or altered by NIGC employees or its contractors. Any deviation from normative references and / or well-known manufacturer's specifications must be reported to Standardization division.

The technical standard committee welcomes comments and feedbacks about this standard, and may revise this document accordingly based on the received feedbacks.

GENERAL DEFINITIONS:

Throughout this standard the following definitions, where applicable, should be followed:

- 1- "STANDARDIZATION DIV." is organized to deal with all aspects of industry standards in NIGC. Therefore, all enquiries for clarification or amendments are requested to be directed to mentioned division.
- 2- "COMPANY": refers to National Iranian Gas Company (NIGC).
- 3- "SUPPLIER": refers to a firm who will supply the service, equipment or material to NIGC whether as the prime producer or manufacturer or a trading firm.
- 4- "SHALL ": is used where a provision is mandatory.
- 5- "SHOULD": is used where a provision is advised only.
- 6- "MAY": is used where a provision is completely discretionary.

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1. SCOPE

This standard specification specifies the minimum requirements for hot applied modified bituminous tape for the corrosion protection of field joints and repair of pipelines coated with bitumen enamel or modified bitumen enamel in conjunction with cathodic protection.

This standard specification covers the use of hot applied bituminous tape when the design temperature is within -20 °C to +60 °C.

Note: This standard withdraws and replaces IGS-M-TP-014-2(0)-Section A standard.

2. REFERENCES

Throughout this standard specification the following standards are referred to. The editions of these standards that are in effect at the time of issue of this standard specification (2014) shall form part of this standard specification. The applicability of changes in standards that occur after the date of this standard specification shall be mutually agreed upon by the purchaser and the supplier and/or manufacturer.

ASTM D 149 (2013) "Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies"

ASTM D 1000 (2010) "Pressure Sensitive Adhesion-Coated Tapes Used for Electrical and Electronic Applications"

EN 10300 (2005) "Steel Tubes and Fittings for Onshore and Offshore Pipelines – Bituminous Hot Applied Materials for External Coating"

EN 12068 (1999) "Cathodic Protection – External Organic Coatings for the Corrosion Protection of Buried or Immersed Steel Pipelines Used in Conjunction with Cathodic Protection – Tapes and Shrinkable Materials"

IGS-M-TP-016(2) (2012) "Polymer Modified Bitumen Enamel Coating System for Line Pipe"

ISO 2591-1 (1988) "Test Sieving – Part 1: Methods Using Test Sieves of Woven Wire Cloth and Perforated Metal Plate"

ISO 3801 (1977) "Textiles – Woven Fabrics – Determination of Mass per Unit Length and Mass per Unit Area"

ISO 5256 (1985) "Steel Pipes and Fittings for Buried or Submerged Pipelines – External and Internal Coating by Bitumen or Coal Tar Derived Materials"

ISO 9001 (2008) "Quality Management Systems – Requirements"

3. DEFINITIONS

Batch

Quantity of coating material produced in a single production run.