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شرکت ملی گاز ایران
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امور تدوین استانداردها

IGS

دستورالعمل

نوار دستی دو لایه قیر نفتی

Hand-Applied Two-Layer Bituminous Tape



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باسلام،

به استحضار می‌رساند در جلسه ۱۹۹۷ مورخ ۱۴۰۱/۱۱/۰۲ هیأت مدیره، نامه شماره گ/۰۰۰/۹-۱۶۸۵۵ مورخ ۱۴۰۱/۱۰/۱۴ آن مدیریت درمورد تصویب نهایی مقررات فنی شرکت ملی گاز ایران به شرح زیر مطرح و مورد تصویب قرار گرفت.

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Foreword

This standard specification is intended to be mainly used by N.I.G.C. and contractors, and has been prepared base on interpretation of recognized standards and technical documents, as well as knowledge, backgrounds and experiences in gas industries at national and international levels.

Iranian Gas Specification (IGS) are prepared, reviewed and amended by technical standard committees within NIGC standardization division of research and technology management and submitted to "the standards council of NIGC" for approval.

IGSs are subjected to revision, amendment or withdrawal, if required, and thus the latest edition of IGS shall be checked / inquired by NIGC'S users.

This standard must not be modified or altered by NIGC employees or its contractors. Any deviation or conflicts between this specification and other applicable standards, codes, procedure or well-known manufacturer's specifications must be resolved in writing by the user or its representative through Manager, Engineering Department or standardization division of NIGC.

The technical standard committee welcomes comments and feedbacks from concerned or interested corporate and individuals 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 IGS specification 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 covers the NIGC requirements for hand – applied two-layer bituminous tape and its primer to be used for the corrosion protection of field weld joints, special sections, fittings, cable to pipe joint with conjunction of Cathodic protection system and field repairs of buried steel pipelines mainly coated with hot – applied coal tar and bitumen coating systems.

This standard specification covers the use of hand – applied two-layer bituminous tape coating system when the maximum continuous operating temperature is 50 °C.

Note: The coating shall be high mechanical resistance class C according to EN 12068.

2. REFERENCES

Throughout this specification the following standards and codes are referred to. The applicability of changes in codes and standards that occur after the date of this specification shall be mutually agreed upon by the purchaser and manufacturer and / or supplier.

2.1 Normative References

ASTM D 1000 (2017) Standard test methods for pressure – sensitive Adhesive coated tapes used for electrical and electronic applications

ASTM D 149 (2020) Standard test method for dielectric breakdown voltage and dielectric strength of solid electrical insulating materials at commercial power frequencies

ASTM D 570 (2018) Standard test method for water absorption of plastics

ASTM D 2369 (2020) Standard test method for volatile content of coatings

ASTM D 1475 (2020) Standard test method for density of paint, varnish, lacquer and related products

ASTM D 1200 (2018) Standard test method for viscosity by Ford viscosity cup

ASTM D 4940 (2020) Standard Test Method for Conducti Metric Analysis of Water Soluble Ionic Contamination of Blasting Abrasives

ASTM D 4285 (2018) Standard Test Method for Indicating Oil or Water in Compressed Air

ASME B 31.8 (2018) Gas transmission and distribution piping systems

EN 12068 (1999) Cathodic protection – External organic coatings for the corrosion protection of buried or immersed steel pipeline used in conjunction with Cathodic protection – Tapes and shrinkable materials

ISO 9001 (2015) Quality system – Model for quality assurance in design, development, production, installation and servicing