



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

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**Technical standard for anti-corrosion engineering of industrial
equipment and pipeline**

工业设备及管道防腐蚀工程技术标准

(English Translation)

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1.0.1

This standard is formulated to improve the technical level of anti-corrosion engineering design and construction of industrial equipment and pipeline, strengthen the quality control of anti-corrosion engineering, strengthen acceptance, ensure the engineering quality, and achieve advanced technology, safety, applicability, and economic rationality.

1.0.2

This standard is applicable to the engineering design, construction, inspection, acceptance, operation and maintenance of anti-corrosion lining and exterior surface coating for new, renovated, and extended steel and cast iron based industrial equipment and pipeline.

1.0.3

This standard is not applicable to the following industrial equipment and pipeline:

- 1 equipment and pipeline directly heated by flame;
- 2 equipment and pipeline affected by nuclear radiation;
- 3 equipment and pipeline that frequently move, rotate or vibrate violently;
- 4 glass-lined equipment and pipeline;
- 5 equipment with metal lining and hot jacket lining other than lead lining and metal thermal-sprayed coatings of metal.

1.0.4

In addition to this standard, the engineering design, construction, inspection, acceptance, operation, and maintenance of anti-corrosion linings and exterior surface coatings for industrial equipment and pipeline shall also comply with the current relevant national standards.

2.0.1 fiber reinforced plastics lining

protective layer laid or sprayed on the inner surface of equipment and pipeline using thermosetting resin as a binder and fiber and its fabric as reinforcing material

2.0.2 coating lining

coating used for protecting the inner surface of industrial equipment and pipeline from corrosion by chemical media such as acid, alkali, salt, and solvent