



CERTIFICATE NUMBER 21-2110377-PDA
EFFECTIVE DATE 14-May-2021
EXPIRATION DATE 13-May-2026
ABS TECHNICAL OFFICE CN Shanghai SOED

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

Nanjing Taihang Marine Fittings Co., Ltd.

located at

No.26, Tianfu Road, Zhongshan Science Park, Liuhe District,
Nanjing, China

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Shielding, Oil from Source of Ignition
Model: TH-AS100
Tier: 2 – PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 13/May/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the “Intended Service” details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping

Li Li, Managing Principal Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer’s standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

NANJING TAIHANG MARINE FITTINGS CO., LTD
NO.26, TIANFU ROAD, ZHONGSHAN SCIENCE PARK, LIUHE DISTRICT
NANJING JIANGSU
China 211505
Telephone: +86 (25)-57671387
Fax: +86 (25)-57671389
Email: marine_njth2020@163.com
Web: www.taihang-jsnj.cn
Tier: 2 - PDA Issued

Product: Shielding, oil from source of ignition
Model: TH-AS100
Endorsements:

Intended Service:

For preventing splash of flammable fluid from pipe lines including flanges and joints in engine room for ships and offshore applications as per the intent of Reg. II-2/4.2.2.5.3 of SOLAS.

Description:

Aluminum foils are superimposed on both sides of aramid woven cloth to form a laminated structure. An adhesive agent is applied to one side of them and covered by a separate film.

- (1) Thickness of Tape: 0.355 mm (allowance: ± 0.02 mm).
- (2) Length of Tape (wound): 10 m.
- (3) Width of Tapes: 35/50/75/100/140/250/500/1000 mm.
- (4) Material of Tape: Multi-layer of aluminum foils, aramid woven cloth, separator film and special adhesive

Rating:

Design pressure: 1.8MPa
Design temperature: Maximum 160 deg. C

Service Restriction:

1. To be used only in readily accessible locations for maintenance and inspection.
2. This product is not intended to be used for pipes insulation or as a replacement or substitute for pipe gaskets and sealings.
3. Unit Certification is not required for this product.
4. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The installation is to be in accordance with the Manufacturer's instructions and to the satisfaction of the attending Surveyor.

Notes/Drawing/Documentation:

(Ref. Task No. T2110377)
Report No. (2019)QSWJ3659, Inspection and Test Report, issued by Jiangyin Product Quality Supervision and Testing Institute dated 18 September 2019
Report No. (2020)QSWJ3089, Inspection and Test Report, issued by Jiangyin Product Quality Supervision and Testing Institute dated 5 June 2020
Drawing No. 00519Q33125R1S, Quality Management System Certificate, issued by China Classification Society Certification Company dated 29 November 2019
Report No. FT19200, Fire Test Report, issued by Far East Fire Test Centre dated 12 August 2019
Drawing No. --, Inspection and Test Outline, Revision: 0, Pages: 5
Drawing No. NJTH-TAPE-1-001, Anti-Splashing Tape, Revision: 0, Pages: 1
Drawing No. --, Product Use Instruction, Revision: 0, Pages: 1
Drawing No. THQB-T915-2018, Company Standard for Anti-Splashing Tape, Revision: 0, Pages: 1
PDA Application
Declaration of Asbestos-Free

Terms of Validity:

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STANDARDS

ABS Rules:

1. Rules for Building and Classing Marine Vessels (2021): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-6-4/13.3.3, 4-6-4/15.1.5 & 4-6-5/3.3.6
2. Rules for Building and Classing Mobile Offshore Units (2021): 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-2-5/7.9
3. Rules for Building and Classing High Speed Craft (2021): 1-1-4/11.9, 1-1-A2, 1-1-A3

National:

NA

International:

1. Chapter II-2, Regulation 4/2.2.5.3 of SOLAS (2020 Consolidated Edition)
2. Part 5 of IMO FTP Code (2012 Edition)

Government:

NA

EUMED:

NA

OTHERS:

NA