



Marine & Offshore

Certificate number: 74745/A0 BV

File number: .

Product code: 2180H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

Nanjing Taihang Marine Fittings Co., Ltd.
NANJING - CHINA

for the type of product

ANTI-SPRAYING PIPE FLANGES & JOINTS SYSTEMS

The anti - splashing tape model TH-AS100 is made of aluminium foil which is superimposed on both sides of glass fiber fabric to form a laminated structure. An adhesive agent is applied to one side and covered by a separator film.

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships,
SOLAS 74 as amended, Regulation II-2/4.2.2.5.3 / 4.2.3.1 / 4.2.4

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 31 Jul 2028

For Bureau Veritas Marine & Offshore,

At BV SHANGHAI, on 31 Jul 2023,

Jennifer Zhang

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=fb9vrqwpu6>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Anti-splashing Tape TH-AS100

1.1 Product Description

TH-AS100 is an anti-splashing tape. It is made of aluminum foil which is superimposed on both sides of glass fiber fabric to form a laminated structure. An adhesive agent is applied to one side and covered by a separator film.

1.2 Design Specifications

Size (wide x length)	Thickness	Design Pressure (MPa)
35mm x 10m	0,355mm ±0,02mm	1,8
50mm x 10m	0,355mm ±0,02mm	1,8
75mm x 10m	0,355mm ±0,02mm	1,8
100mm x 10m	0,355mm ±0,02mm	1,8
140mm x 10m	0,355mm ±0,02mm	1,8
250mm x 10m	0,355mm ±0,02mm	1,8
500mm x 10m	0,355mm ±0,02mm	1,8
1000mm x 10m	0,355mm ±0,02mm	1,8

Temperature range : 0 / +160°C

1.3 Material Specifications

Part	Material
Base Material	Aluminium Glass Fiber fabric
Adhesive	Acrylic

When other choices of materials are used per manufacturer's recommendations, the BV agreement is to be obtained.

2. DOCUMENTS AND DRAWINGS

- Type test program dated 15/03/2019
- TH Tape Features and using Method Rev. 01 dated 18/03/2019
- Drawing N° NJTH-TAPE-1-001 dated 15/03/2019
- Product technical datasheet Rev. 0 dated 02/02/2015

No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.

3. TEST REPORTS

- Test report N° NBIN2205006070SC dated 01/06/2022
- Test report N° GZMR220501500101-2 dated 01/06/2022
- Test report N° FT19200 dated 12/08/2019 carried out according to acc. to IMO 2010 FTP Code, Annex 1, Part 5

4. APPLICATION / LIMITATION

4.1 Anti-splashing TH-AS100 Tapet may be used for screening in systems for fuel oil, lube oil and other flammable with pipe flanges and joints complying with SOLAS 74 as amended, Regulation II-2/4.2.2.5/4.2.3/4.2.4.

4.2 The approval is restricted to piping systems which are readily accessible for maintenance and inspection purposes.

4.3 The tape cannot be used for pipes insulation, or as replacement for pipe gaskets and sealings.

4.4 The tape is to be fitted according to the manufacturer's instructions and satisfactorily checked by the Bureau Veritas's Surveyor for each application on board ship.

5. PRODUCTION SURVEY REQUIREMENTS

5.1 The products are to be supplied by **Nanjing Taihang Marine Fittings Co., Ltd.** in compliance with the type described in this certificate and in compliance with the requirements stated on the front page of this certificate.

5.2 This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 **Nanjing Taihang Marine Fittings Co., Ltd.** has to make the necessary arrangements to have its works recognized by BUREAU VERITAS in compliance with the requirements of NR 320 for HBV products.

5.4 For information, **Nanjing Taihang Marine Fittings Co., Ltd.** has declared to Bureau Veritas the following production site:

Nanjing Taihang Marine Fittings Co., Ltd.

No.26 Tianfu Road,

Jiangbei New Area,

Nanjing, Jiangsu

211899 NANJING

CHINA

6. MARKING OF PRODUCT

The product or packing shall be marked with at least:

- Manufacturer's name and logo
- Product name
- Serial Number
- Size

7. OTHERS

It is **Nanjing Taihang Marine Fittings Co., Ltd.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

***** END OF CERTIFICATE *****