

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Anti-Splashing Tape

with type designation(s)
TH-AS100

Issued to
Nanjing Taihang Marine Fittings Co.,Ltd.
Nanjing, China

is found to comply with
DNV rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV class programme DNV-CP-0502 – Type approval – Oil spray protection systems

Application :

Product approved by this certificate is accepted for installation on all vessels classed by DNV.

Max. working press.: 1.5 MPa

Issued at **Hamburg** on **2022-06-16**

This Certificate is valid until **2027-06-15**.
DNV local station: **Nanjing NB & CMC**

Approval Engineer: **Ana Cristina Do Carmo Insfran**



for **DNV**

Digitally Signed By: Schuetz, Wolfgang
Location: DNV GL SE Hamburg, Germany
Signing Date: 16.06.2022 , on behalf of

Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

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

Size (wide x length /roll):

50 mm x 10 m
100 mm x 10 m
140 mm x 10 m
250 mm x 10 m
500 mm x 10 m
1000 mm x 10 m

Thickness: 0.355 mm +/- 0.02

Design Pressure: 1.8 MPa

Design Temperature: 160°C

Application/Limitation

The anti - splashing tape model: TH-AS100 is approved for screening of flanges as required by SOLAS II-2, Reg. 4 – 2.2.5.3 – Oil fuel lines shall not be located immediately above or near units of high temperature, including boilers, steam pipelines, exhaust manifolds, silencers or other equipment required to be insulated by paragraph 2.2.6. As far as practicable, oil fuel lines shall be arranged far apart from hot surfaces, electrical installations or other sources of ignition and shall be screened or otherwise suitably protected to avoid oil spray or oil leakage onto the sources of ignition. The number of joints in such piping system shall be kept to a minimum.

For application of the anti - splashing tape model: TH-AS100 the instructions of the manufacturer are to be observed.

Type Approval documentation

Type approval Application dated on 2021-03-03

Type Approval Assessment Report dated on 2022-06-14

Fire Test Report Nr. FT19200 acc. to IMO 2010 FTP Code Annex 1 part 5 dated on 2019-08-12

ISO 9001 issued by CCS – Nr.: 00519Q33125RIS valid until 2022-12-21

Test program: anti-spray tape dated on 2019-03-15

Test reports: Nr. GZMR220501500101-2, NBIN2205006070SC dated on 2022-06-01

Drawing Nr.: NJTH – Tape -1-001

Instruction Manual: TH Tape features and using method

Tests carried out

Tensile strength, High pressure test, Peeling strength, Hot resistance, Oil resistance, High pressure resistance, Flammability.

Marking of product

For traceability to this type approval each anti - splashing tape model: TH-AS100 are to be marked with:

- Manufacturer name or trademark
- Product name
- Size
- Pressure
- Serial Number



Job Id: **262.1-035551-1**
Certificate No: **TAP00002JS**

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the Type Approval are complied with. Refer to DNV-CP-0338, Sec.4.

- The certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE