



Type Approval Certificate

[Anti-splashing Tape]

Initial Approval 6 October 2010
Applicant Mareflex GmbH
Scheideweg 32, 20253 Hamburg, Germany

Product Description Type : MF-03, MF-04

* Place of Production : A-SPE Europe sp. j., Agatowa 5,
82-310 Gronowo Gorne, Poland

" See Appendix 1 "

Approval Condition " See Appendix 1 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 5, Ch. 6, Sec. 9, Art. 901 of the rules for Classification of Steel Ships and
Ch. II-2, Reg. 4.2.2.5.3 of SOLAS 1974 as amended.

This Certificate is valid until 5 October 2030

Issued at Busan, Korea on 27 October 2025



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME25046555418) and certificate No.(HMB25288-IM001).



KOREAN REGISTER

*General Manager of
Marine & Ocean Equipment Team*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Product Description and/or Approval Condition

Date of Issue : 27 October 2025

A. Product Description

1. Product Specification

Product code	Max. working pressure	Multilayer composition
MF03(50mic)	15 bar	Aluminum foil (Thickness 50 mic) Fiberglass impregnated fabric Acrylic adhesive with release liner
MF03(80mic)	25 bar	Aluminum foil (Thickness 80 mic) Fiberglass impregnated fabric Acrylic adhesive with release liner
MF03(100mic)	25 bar	Aluminum foil (Thickness 100 mic) Fiberglass impregnated fabric Acrylic adhesive with release liner
MF04	55 bar	Aluminum foil (Thickness 100 mic) Fiberglass fabric Aluminum foil (Thickness 100 mic) Acrylic adhesive with release liner

* Design Temperature : 150 °C

– Product Dimension

Dimension (Width x Length)
35 mm x 10 m
50 mm x 10 m
75 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

2. Approved Drawings and Documents

- 1) Technical Documentation/Specification sheet of Mareflex MF01/02/03/04 anti-spray tape
- 2) Approved Technical Documentation/Specification sheet for Mareflex MF03(50)/03(80) anti-spray tape dated 10 Sep. 2025

3. Test Reports, etc.

- 1) Test report of surface flammability issued by Szczecin University of Technology.
 - no. TZ/FTP5a/113/2019 dated on 17 September 2020 (MF-03),
 - no. TZ/FTP5a/114/2019 dated on 17 September 2020 (MF-04),
 - no. TZ/FTP5a/070/2023 dated on 24 June 2023 (MF-03(50mic)),
 - no. TZ/FTP5a/071/2023 dated on 24 June 2023 (MF-03(80mic)),
- 2) Test report of pressure resistance and functionality
 - dated on 26 June 2019 by institute of Technical Textiles "A-SPE"
 - dated on 26 June 2023 by institute of Technical Textiles "A-SPE"

B. Approval Condition

1. Application & Limitation

- 1) Preventing splash of fuel oil, lube oil and other flammable oils from piping lines including flanges and joints in engine rooms or other enclosed spaces in compliance with Regulation II-2/4.2.2.5.3 of SOLAS 1974 as amended.

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- 2) Installation of the tape is to be carried out in accordance with the Manufacturer's instruction.
- 3) The Mareflex Anti Spray Tape cannot be used for pipes insulation or as replacement for pipe gaskets and sealings.
- 4) The extent of use is limited to spray shielding applications on oil pressure pipes located above the floor plates and which have no insulation in way of the joints.
- 5) Use is restricted to easily accessible positions where the integrity of the application may be inspected regularly and new covering applied after removal for maintenance purposes.

2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required.

3. Marking

-N/A

4. Others

-N/A

< End of Certificate >

