



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA21355M

This is to certify that the undernoted products have been approved in accordance with the requirements 4.2.2(5)(c), 4.2.3, 4.2.4 Chapt.4, Part R of “Rules for the Survey and Construction of Steel Ships” and Chapt.2, Part 6 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”.

This certificate is issued to

Manufacturer :	Mareflex GmbH
Place of manufacturer :	Peutestrasse 53C / 108A 20539 Hamburg-Germany
Product description :	ANTI-SPLASHING TAPE
Type designation(s) :	MAREFLEX MF-01 ANTISPRAY TAPE MAREFLEX MF-02 ANTISPRAY TAPE MAREFLEX MF-03 ANTISPRAY TAPE MAREFLEX MF-04 ANTISPRAY TAPE
Approval No. :	08FV903B
Valid until :	14 August 2023

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 21 July 2021.

T. Shimada
General Manager
Machinery Department

• Applications

For means of screening of pipe joints and fittings in system for fuel oil, lubricating oil and other flammable oils to prevent oil spray onto the source of ignition required by 4.2.2(5)(c), 4.2.3, 4.2.4-1, Chapter 4, Part R of the Society's Rules (Reg. 4.2.2.5.3, 4.2.3.1 and 4.2.4, Chapter II-2 of SOLAS).

• Conditions:

Type: MF01A ANTISPRAY TYPE (Acrylic adhesive)

Max. working press.: 15 bar

Multilayer composition: Aluminum foil with mesh (Thickness 15 mic)
Fiberglass impregnated fabric
Acrylic adhesive with release liner

Type: MF01 ANTISPRAY TYPE (Silicone adhesive)

Max. working press.: 15 bar

Multilayer composition: Aluminum foil with mesh (Thickness 15 mic)
Fiberglass impregnated fabric
Silicone adhesive with release liner

Type: MF02 ANTISPRAY TYPE

Max. working press.: 50 bar

Multilayer composition: Aluminum foil (Thickness 50 mic)
Fiberglass fabric with silicone rubber
Silicone adhesive with release liner

Type: MF03 ANTISPRAY TYPE

Max. working press.: 25 bar

Multilayer composition: Aluminum foil (Thickness 100 mic)
Fiberglass fabric
Acrylic adhesive with release liner

Type: MF04 ANTISPRAY TYPE

Max. working press.: 55 bar

Multilayer composition: Aluminum foil (Thickness 100 mic)
Fiberglass fabric
Aluminum foil (Thickness 50 mic)
Acrylic adhesive with release liner

All types: Design Temperature: 150°C

Mareflex MF01, MF01(A), MF02, MF03 and MF04 Antispray Tapes are available at following dimensions:

Width(mm)×Length(m)

35 × 10

50 × 10

75 × 10

100 × 10

140 × 10

250 × 10

500 × 10

1000 × 10

• **Tests carried out:**

- Test report of surface flammability of materials for MF-01 (Acrylic adhesive) Antispray Tape, 10-01-2019, at West Pomeranian University of Technology
- Test report of surface flammability of materials for MF-02 Antispray Tape, 16-05-2019, at West Pomeranian University of Technology
- Test report of surface flammability of materials for MF-03 Antispray Tape, 17-09-2020, at West Pomeranian University of Technology
- Test report of surface flammability of materials for MF-04 Antispray Tape, 17-09-2020, at West Pomeranian University of Technology
- Test report of pressure resistance and functionality dated on 26th June 2019 by institute of Technical Textiles "A-SPE".

• **Place of Production:**

A-SPE Europe Sp. J., Agatowa 5, 82-310 Gronowo Górne, Poland

• **Note**

The installation is to be carried out in accordance with the Manufacture's instruction.

The use is also restricted to readily accessible positions where the integrity of the application may be inspected regularly and new covering applied after removal for maintenance purpose.

Any significant changes in design or construction of the above items may render this certificate invalid.

- The End -