DNV·GL

Certificate No:
TAP00001Z9

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Oil spray protection system

with type designation(s)
MF-01(A) (Acrylic adhesive) Antispray Tape,
MF-01 (Silicone adhesive) Antispray Tape,
MF-02 Antispray Tape,
MF-03 Antispray Tape,
MF-04 Antispray Tape

Issued to
Mareflex GmbH
,

is found to comply with
DNV GL class programme DNVGL-CP-0502 – Type approval – Oil spray protection systems

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.
Screening of pipe joints and fittings in accordance with IMO SOLAS Consolidated Edition, 2009, Chapter II-2/ Regulation 4, item 2.2.5.3

Type:	**Max. working press.:**
MF-01(A) (Acrylic adhesive) Antispray Tape	**15**
MF-01 (Silicone adhesive) Antispray Tape	**15**
MF-02 Antispray Tape	**50**
MF-03 Antispray Tape	**25**
MF-04 Antispray Tape	**55**

Issued at **Høvik** on **2019-11-19**
This Certificate is valid until **2024-11-18**.
DNV GL local station: **Gdansk CMC**

for **DNV GL**

Approval Engineer: **Ole Henrik Kverndal Pedersen**

Torill Grimstad Osberg
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.

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Job Id: **262.1-008678-4**
Certificate No: **TAP00001Z9**

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

Place of Production
A-SPE Europe Sp. J., Wincentego Pola 22, 01-100 Warszawa

Product description
For use in engine rooms or other enclosed spaces as wrapping around possible sources of leakage in fuel oil piping to help prevent fuel spray in event of a leak, as a means of meeting the requirements of the IMO SOLAS, Chpt. II-2, Reg.4, 2.2.5.3.

Reference is also made to IMO FTP Code – IMO Resolution MSC.61(67)

Mareflex MF-01, MF-01(A), MF-02, MF-03 and MF-04 Antispray Tapes are available at following dimensions;

Width (mm)	**x Length (m)**
35	x 10
50	x 10
75	x 10
100	x 10
140	x 10
250	x 10
500	x 10
1000	x 10

Mareflex MF-01, MF-01(A), MF-02, MF-03 and MF-04 Antispray Tapes are made of multilayer aluminium, impregnated fiberglass and release liner with a special adhesive for installation.

Application/Limitation
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. Use is also restricted to readily accessible positions where the integrity of the application may be inspected regularly, and new covering will be applied after removal for maintenance purposes.
The fitting of Mareflex Antispray Tape is to be carried out in accordance with the Manufacturer's instructions.
The Mareflex Antispray Tape cannot be used for pipes insulation, or as replacement for pipe gaskets and sealings.

Type Approval documentation

Tests carried out
- Szczecin University of Technology, ref.TZ/FTP-5/101/2006, dated 06-03-2006, Test Report of the Results of Test for the Flame Spread on Floor Coverings, ref. IMO FTP Code – IMO Res. MSC.61(67).
- The Institute of Technical Textiles "MORATEX", Test Report No. 43/2004, dated 2006-04-28, Tensile Strenght Test and Coating Adhesion Test.
- A-SPE, Pressure Test Report of Mareflex MF-01 Antispray Tape, November 2006.
- Institute of Security Technology "MORATEX", Test Report No. 252/2009, dated 13.08.2009, Coating Adhesion Test.
- West Pomeranian University of Technology, Szczecin, ref.TZ/FTP-5/207/2009, dated 11-09-2009, Test Report of the Results of Test for the Surface Flammability of Materials, ref. IMO FTP Code – IMO Res. MSC.61(67).

-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-01 (Silicone adhesive) Antispray Tape, 05-04-2018, 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, 16-05-2019, at West Pomeranian University of Technology
-Test report of surface flammability of materials for MF-04 Antispray Tape 16-05-2019, at West Pomeranian University of Technology
-Pressure test report No 1/2019 for MF-01 (Acrylic adhesive) Antispray Tape, MF-02 Antispray Tape, MF-03 Antispray Tape and MF-04 Antispray Tape, witnessed by DNV GL 26-06-2019

Marking of product

-Manufacturer's Name
-Product Type.

Periodical assessment

For retention of the type approval, a DNV GL surveyor shall perform an assessment after 2 years and after 3.5 years, to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the type approved product is manufactured at other companies, the periodical assessment shall verify that the type approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, periodical assessment shall be carried out randomly at these companies.