



CERTIFICATE NUMBER

08-HG396214-1-PDA

DATE

08 October 2013

ABS TECHNICAL OFFICE

Gdynia Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
MAREFLEX GMBH - D-21031 HAMBURG

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Shielding, oil from source of ignition**

MODEL: **MAREFLEX MF-01 ANTISPRAY TAPE**

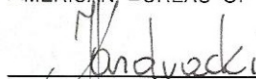
This Product Design Assessment (PDA) Certificate 08-HG396214-1-PDA, dated 08/Oct/2013 remains valid until 07/Oct/2018 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING



Jaroslaw Kondracki
Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This application/certificate is governed by the "Terms and Conditions of the Request for Product Type Approval and Agreement" as contained in the ABS Rules.

MAREFLEX GMBH

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Warsaw/ Poland

PRODUCT:

Shielding, oil from source of ignition

MODEL:

MAREFLEX MF-01 ANTISPRAY TAPE

**Intended Service:**

For preventing splash of flammable fluid from pipe lines, including flanges and joints, in ship's engine room, as per intent of SOLAS Reg. II-2/4.2.2.5.3.

Description:

High performance fiberglass fabric with aluminum layer and fire retardant adhesive.

Ratings:

Sizes: width (mm) and 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
Max. Fluid Temperature: 150°C.
Max. System Pressure: 15 bar.

Service Restriction:

Unit Certification is not required for this product.

Comments:

Application and installation in accessible locations, in accordance with manufacturer's instructions and specifications.
Test Reports Nos. MF01/2013, TZ/FTP-5/207/2009, 252/2009, 43/2004.

Notes / Drawings / Documentation:

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

Term of Validity:

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This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

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STANDARDS

MAREFLEX GMBH

ABS Rules:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. The Rules applicable to this assessment: ABS Rules for Building and Classing Steel Vessels 2013, 1-1-4/7.7, 4-6-4/13.3.3, 4-6-5/3.3.6

National:

NA

International:

SOLAS Reg. II-2/ 4.2.2.5.3

Government Authority:

NA

EUMED:

NA

Others:

NA

