



Marine & Offshore

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This certificate is not valid when presented without the full attached schedule
composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2023/1667 of 8 Aug. 2023

This certificate is issued to:

NOISE DAMPING SOLUTION MUH. ENDUSTRI SAN. VE TIC. LTD. STI

ISTIM SANAYI SITESI ISTASYON MAH., YARIS CIKMAZI SOK. A BLOK 3 /3, TUZLA- ISTANBUL, ISTANBUL, Türkiye

for the type of product

**SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD
CHARACTERISTICS: DECORATIVE VENEERS**

NDS® COMPOSITE PANEL (STEEL & ALUMINUM) **Restricted application (see §4.1.2)**

MDT-ALU®, MDT-STEEL® MULTI-LAYER DAMPING TILE **Limited application for substrate (see §4.2.2)**

Requirements:

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/6, II-2/9, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res. MSC.307(88) (2010 FTP Code)

IMO MSC/Circ.1120

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 21 Mar 2029


For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV ISTANBUL, on 21 Mar 2024,

Gurcan Yilmaz

This certificate was created electronically and is valid without signature



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

1.1 - NDS® composite panel (steel & aluminium)

Consists of:

- 2 outer layers of steel (0.6 mm, 1 mm, 1.5 mm or 2 mm) or aluminium (1 mm, 2 mm or 3 mm)
- a 50 µm thick viscoelastic layer (density 954 kg/m³)

1.2 - MDT-ALU® multi-layer damping tile

Consists of (from exposed side):

- a 1 mm thick aluminium sheet
- a 0.25 mm thick visco-elastic adhesive (density 1600 kg/m³)
- a 2.5 mm thick self-adhesive high-density polymer-based non-combustible heavy layer (density 2010 kg/m³)

Tested laid on a 4 mm thick aluminium substrate, also covering MDT-STEEL®.

Total surface weight: 5.45 kg/m²

Total thickness: 3.75 mm

1.3 - MDT-STEEL® multi-layer damping tile

Consists of (from exposed side):

- a 0.5 mm thick steel sheet
- a 0.25 mm thick visco-elastic adhesive (density 1600 kg/m³)
- a 2.5 mm thick self-adhesive high-density polymer-based non-combustible heavy layer (density 2010 kg/m³)

Total surface weight: 6.25 kg/m²

Total thickness: 3.25 mm

2. DOCUMENTS AND DRAWINGS:

2.1 - **NDS® composite panel:** technical data sheet TDS-01 rev. 02 dated 06/03/2024.

2.2 - **MDT-ALU® multi-layer damping tile:** technical data sheet TDS-02 rev. 00 dated 01/02/2024.

2.3 - **MDT-STEEL® multi-layer damping tile:** technical data sheet TDS-03 rev. 00 dated 01/02/2024.

3. TEST REPORTS:

3.1 - NDS® composite panel:

3.1.1 - Test report N°295646 dated 03/10/2023, as per IMO 2010 FTP Code, Annex 1, Part 5, from TSE DENEY VE KALIBRASYON MERKEZI BASKANLIGI TUZLA DENEY LABORATUVARI, Turkey.

3.1.2 - Test report N°44248 dated 12/02/2024, as per IMO 2010 FTP Code, Annex 1, Part 2, from TSE DENEY VE KALIBRASYON MERKEZI BASKANLIGI TUZLA DENEY LABORATUVARI, Turkey.

3.2 - **MDT-ALU®/MDT-STEEL® multi-layer damping tile:** test report N°30720 dated 30/01/2024, as per IMO 2010 FTP Code, Annex 1, Part 5, from TSE DENEY VE KALIBRASYON MERKEZI BASKANLIGI TUZLA DENEY LABORATUVARI, Turkey.

4. APPLICATION / LIMITATION:

4.1 - For NDS® composite panel:

4.1.1 - Approved material is considered as having low flame spread characteristics (as per IMO 2010 FTP Code Part 5) and not producing excessive smoke and toxic products (as per IMO 2010 FTP Code Part 2).

4.1.2 - **Restricted application:** use is restricted to floor coverings or primary deck coverings only.

4.2 - For MDT-ALU® / MDT-STEEL®:

4.2.1 - Approved material is considered as having low flame spread characteristics (as per IMO 2010 FTP Code Part 5).

4.2.2 - In application of FTP Code 2010 Annex 2 § 2.2, the product is expected to satisfy the requirement of smoke & toxicity of IMO 2010 FTP Code Part 2 without further testing.

4.2.3 - In application of FTP Code 2010 Annex 2 § 2.3, the product is expected to satisfy the requirement of maximum gross calorific value (e.g. 45 MJ/m²) without further testing as per ISO 1716.

4.2.4 - Acceptable only for use on any metallic substrate having a thickness of at least 3 mm.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **NOISE DAMPING SOLUTION MUH. ENDUSTRI SAN. VE TIC. LTD. STI** has declared the following manufacturing site(s):

NOISE DAMPING SOLUTION MUH. ENDUSTRI SAN. VE TIC. LTD. STI
AISTIM SANAYI SITESI ISTASYON MAH.
YARIS CIKMAZI SOK. A BLOK 3 /3
TUZLA- ISTANBUL
TURKEY

6. MARKING OF PRODUCT:

6.1 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004 amended by Decision 1/2018 of 18 February 2019, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

It is **NOISE DAMPING SOLUTION MUH. ENDUSTRI SAN. VE TIC. LTD. STI**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

*** END OF CERTIFICATE ***