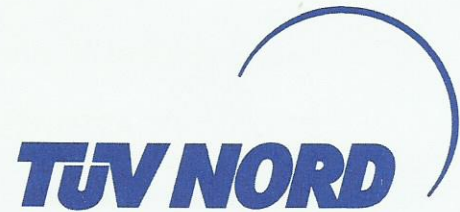


# EC-Type Examination Certificate (Module B)



This is to certify that:

TÜV NORD Systems GmbH & Co.KG, notified by the Federal Maritime and Hydrographic Agency of Germany (BSH), did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the essential Fire Protection Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the details of appraisal attached hereto.

Recognized acc. to 2014/90/EU by the BSH  
BSH-Reference No.: 0800S11/4822/005



**Certificate No.:** M17018

**Applicant:** ASD Laminat A.Ş.  
IDTM A1 Blok K.16 Yeşilköy-Bakırköy  
34149 Istanbul  
Turkey

**Product Name:** Marine Grade Laminate

**Trade Name:** MARINLAM

**Product Description:** Surface materials and floor coverings with low flame-spread Characteristics – decorative veneers

**Regulation Item:** MED/ 3.18a

**Specified Standards:** SOLAS 74 as amended, Regulations II-2/3, II-2/5, II-2/6, X/3  
IMO Res. MSC.36(63) - (1994 HSC Code) 7  
IMO Res. MSC.97(73) - (2000 HSC Code) 7  
IMO Res. MSC.307 (88) - (2010 FTP Code) as amended  
IMO MSC/Circ. 1120

**Related Directive:** 2014/90/EU – in conjunction with 2017/306/EU


*The attached annex (details of appraisal) is part of this certificate.*

**USCG Approval No.:** 164.112

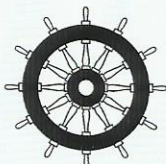
**Date of Issue:** 2017-12-05

**Expiry Date:** 2022-12-05

**Tobias Nelke**  
Head of certification body SEECERT  
(Notified Body No.: 0045)

The mark of conformity (wheelmark ) may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached annex (details of appraisal) are complied with. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the notified body SEECERT. Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and on board vessels to which the amended regulations or standards apply.

An U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment".



XXXX/(YY)YY

The marking of approved marine equipment must take place under Article 9, Article 10 and if applicable Article 11 in conjunction with Annex I of the Marine Equipment Directive 2014/90/EU. In addition to the marking, the identification number of the notified body performing the conformity assessment procedure and the year in which the conformity mark was affixed shall be indicated.

XXXX Number of the Notified Body responsible for quality surveillance module.  
(YY)YY The year (last two or four digits) in which the mark is affixed.



## DETAILS OF APPRAISAL

### Appraisal documentation:

Test report(s) No 20672702-10a, 20672702-10b, 20672702-20a, 20672702-20b, dated 2017-10-10, issued by DMT GmbH & Co.KG, Dortmund, Germany (all)  
(TNS Ref.no.: MED3.20171102.140150-100)

### Tests carried out:

Tests according to IMO 2010 FTP Code Annex 1: Part 2 and Part 5

### Technical principles:

"MARINLAM" (Marine Grade Laminate) [thickness 0,8 mm] may be applied to any metallic base and non-combustible base, if the product would not need any adhesive or combustible material layer. When the products are to be applied to bulkheads or ceilings by using adhesive, a combination test with adhesive should be required. The product is approved as low flame-spread material, not producing excessive quantities of smoke and toxic products in fire conditions.

Tested colors: "dark brown" and "beige"; approval is valid for any other color variations, provided the following values are met:

Nominal density: 1420 kg/m<sup>3</sup>,  
Organic content: max. 93%

When the product is used as part of any bulkhead, ceiling or lining in accommodation and service spaces the total volume of combustible materials shall not exceed a volume equivalent to 2.5 mm veneer on the combined area of the walls and ceiling linings. The maximum calorific value has not been determined, but needs to be separately, when required. (Cross reference to SOLAS Chapter II-2 Reg. 5.3.2)

### Installation:

Assembly procedure on board as per manufacturer's instruction, which has to be delivered together with the product.

### Marking:

The product/ packing shall be permanently marked in accordance with Article 10 of the Council Directive 2014/90/EC of 23<sup>rd</sup> of July 2014 on marine equipment, e.g. certificate (approval) number, etc.

### Remarks:

None

### Limitations / Acceptance on use of the product:

See under "Technical principles".

### Comment to USCG Approval:

Surface materials and floor coverings with low flame-spread characteristics - Interior finish; limited to exposed surfaces of ceilings, walls, and floors. Does not apply to pipes, pipe coverings, or cables.