

## CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

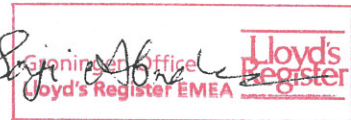
<b>Manufacturer</b>	Dekodur GmbH & Co. KG
<b>Address</b>	Langenthaler Straße 4 D-69434 Hirschhorn/Neckar Germany
<b>Type</b>	<b>MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS &amp; NOT CAPABLE OF PRODUCING EXCESSIVE QUANTITIES OF SMOKE &amp; TOXIC PRODUCTS OF COMBUSTION</b>
<b>Description</b>	Fire Resisting Material – Type: "Dekorial High Pressure Laminate with a genuine metal surface"
<b>Specified Standard</b>	IMO Res. MSC.61(67)-(FTP Code) Annex 1, Part 5 and Annex 2. IMO MSC/Circ.1120

The attached Design Appraisal Document forms part of this certificate.  
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue	29 November 2009	Expiry date	28 November 2014
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Certificate No.	SAS F090397
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Signed	
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Sheet No	1 of 2
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Name	S. Abraham
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Surveyor to Lloyd's Register EMEA  
A Member of the Lloyd's Register Group

**Note:**

**This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.**

\*Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.\*





**DESIGN APPRAISAL DOCUMENT**

Date

2 July 2010

Quote this reference on all future communications

LDSS/TA/SFS/SA

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F090397**

This Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

Bauqualität TÜV Nord, Brandversuchshaus Hamburg, Germany, Test Report No. SN99.5.1, dated 11 February 1999.

**CONDITIONS OF CERTIFICATION**

1. Dekorial High pressure laminate consists of: phenolic resin impregnated craft paper with a 100 µm thick aluminium foil surface covering; total thickness 0.8mm and total weight per unit area of 1250g/m<sup>2</sup>
2. Smoke and toxicity criteria is satisfied by meeting the total heat release ( $Q_t$ ) and peak heat release rate ( $q_p$ ) as stated in IMO Fire Test Procedures Code, Annex 2, section 2.2.
3. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

**PLACE OF PRODUCTION**

Dekodur GmbH & Co. KG  
Langenthaler Straße 4  
D-69434 Hirschhorn/Neckar  
Germany

**Supplementary Type Approval Terms and Conditions**

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).*

Saji Abraham  
Surveyor  
Statutory Fire & Safety  
London Design Support Office  
Lloyd's Register EMEA









## Lloyd's Register Verification Limited

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Document number  
MED 0950371

Issue number  
1

### DESIGN APPRAISAL DOCUMENT

Date 2 July 2010	Quote this reference on all future communications LDSS/TA/SFS/SA
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#### ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0950371

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

#### APPROVAL DOCUMENTATION

TÜV Nord, Brandversuchshaus Hamburg, Germany, Test Report Nos. SN02/2480.2 and TN02/2508.2, both dated 20 May 2003.

#### CONDITIONS OF CERTIFICATION

1. When applied to a non-combustible substrate.
2. Dekoplus HPL is a decorative high pressure laminate comprising resin impregnated paper, nominal thickness 0.8mm and nominal weight 1350g/m<sup>2</sup> and bonded to the substrate using 'DORUS FU 406/1' adhesive applied at a rate of 120g/m<sup>2</sup>.
3. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
4. This product has been assigned a **U.S. Coast Guard Module B number USCG Approval Category 164.117/EC0038** to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment".

In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not Lloyd's Register Verification Ltd., such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly.

Note: For products placed on board U.S. flagged ships there is no declaration of conformity required to meet U.S. Coast Guard requirements.

5. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.

#### PLACE OF PRODUCTION

Dekodur GmbH & Co. KG  
Langenthaler Straße 4  
D-69434 Hirschhorn/Neckar  
Germany

Saji Abraham  
Surveyor  
For and on behalf of Lloyd's Register Verification  
LRV EC Distinguishing No. 0038