



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.

Manufacturer Dekodur GmbH & Co. KG

Address Langenthalerstraße 4,
D-69434 Hirschhorn
Germany

Type **MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE SMOKE & TOXIC PRODUCTS OF COMBUSTION**

Description Fire-Resisting Material – Type “Dekoriel HPL with metal laminate”

Specified Standard IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 5 and Annex 2

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 3 December 2015

Expiry date 2 December 2020

Certificate No. SAS F150310

Signed

Sheet No 1 of 2

Name

J. M. Evans
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.

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Lloyd's
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DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
3 December 2015	MTES/SFS/TA/JE/WP23521045

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F150310

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

DMT GmbH & Co KG, Tremoniastrabe 13, D-44137 Dortmund, Germany, Fire Test Reports No. 20654337-20 APS4-Hau/Wa and 20654337-30 APS4-Hau/Wa both dated 16th September 2015.

CONDITIONS OF CERTIFICATION

1. Dekorial HPL (high pressure laminate) consisting of: phenolic resin impregnated craft paper with aluminium foil covering. Density 1.35 kg/m³, thickness 0.8mm
2. Smoke and toxicity criteria is satisfied by meeting the total heat release (Qt) and peak heat release rate (qp) as stated in IMO Fire Test Procedures Code, Annex 2, Section 2.2
3. Composition of individual layers and adhesive to be maintained in production in accordance with originally tested composition formula
4. 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
Langenthalerstraße 4,
D-69434 Hirschhorn
Germany



Jessica Evans
Senior Surveyor
Statutory Fire & Safety
Marine Technology and Engineering Services
Lloyd's Register EMEA

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).