



EC TYPE EXAMINATION (MODULE B) CERTIFICATE


This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016 (S.I. 2016 No. 1025) did undertake the relevant type approval procedures for the 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 and Commission Implementing Regulation (EU) 2018/773 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant)	Saint-Gobain ISOVER G+H AG
Address	Burgermeister- Grunzweig-Straße 1 67059 Ludwigshafen Germany
Reference Regulation Item (No & Item designation USCG Category Number)	Regulation (EU) 2018/773 MED/3.11- 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY - (a) 'A' CLASS DIVISIONS 164.105 - 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY - DECK ASSEMBLY
Product Type	A-60 DECK
Product Description	Fire Resisting 'A' Class Aluminium Deck – Type: "ULTIMATE A-60 Deck – Aluminium"
Specified Standard	IMO Res. MSC.61(67) – (FTP Code) Annex 1 Part 3 IMO MSC/Circ. 1120 IMO Res. MSC.307(88) – (2010 FTP Code) Section 8

The attached Design Appraisal Document (schedule) forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	1 April 2019	Expiry date	31 March 2024
Certificate No.	MED 1950043	Signed	
Sheet No	1 of 3	Name	J. M. Evans For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038

Note:

This certificate is issued under the authority of the MCA.

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 the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.

USCG-EU MRA - This product has been assigned a U.S. Coast Guard Module B number: USCG Module B number: 164.105/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."

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Lloyd's Register

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Document number MED 1950043
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 2 April 2019	Quote this reference on all future communications
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1950043

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.

This Certificate is a renewal of Certificate No. MED 1450069/M1

APPROVAL/EXAMINED DOCUMENTATION

TEST REPORTS

DIFT, Danish Institute of Fire and Security Technology, Jernholmen 12, DK-2650 Hvidore, Denmark, Test Report File No. PG11607/Serial No. 10592 dated 22nd May 2006.

CONDITIONS OF CERTIFICATION

1. A-60 deck consisting of: 6mm thick aluminium plate insulated on underside with two layers of (30mm thick, density 66 kg/m³) mineral wool insulation type 'ULTIMATE U MPN 66' manufactured by Saint-Gobain Isover G+H AG, fitted to plate and around stiffeners, and five layers compressed behind stiffeners. Insulation joints staggered between layers with minimum distance 200mm.
2. Total thickness of deck: 66mm.
3. Insulation retained to the steel panels with welded steel pins and steel washers, fitted at a maximum spacing of 400mm centres and to stiffeners at maximum spacing 250mm on flange.
4. Deck may be faced with alternative facing materials that have been tested for surface flammability and separately approved. Any adhesive used with the facing material must be identified and also approved.
5. The core temperature of aluminium alloy shall not rise above a maximum 200°C limit above ambient temperature for 60 minute duration of test (SOLAS Chapter II-2 Regulation 11).
6. Composition and application of insulation material to be maintained in production and use in accordance with originally tested composition formula and method of application, and manufacturer's instructions.
7. 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.
8. This product has been assigned a U.S. Coast Guard Module B number USCG Approval Category 164.105/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".



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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.

- 9. 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

Saint-Gobain ISOVER G+H AG
Industriestraße 11
D-19386 Luebz
Germany



Jessica Evans
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038