



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-30 DECK
Product Description	Fire Resisting 'A' Class Aluminium Deck – Type: "ULTIMATE A-30 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 1950041	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."

Lloyd's Register Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK. A subsidiary of Lloyd's Register Group Limited.

Lloyd's Register Group Limited, 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'. Lloyd's Register 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 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.



Lloyd's
Register

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS
Telephone 020 7423 2416 Fax 020 7423 2053
Email med@lr.org

Page 2 of 3
Document number MED 1950041
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 2 April 2019	Quote this reference on all future communications UKITSO/SFS/TA/JE/WP34288044
----------------------	----------------------------------------------------------------------------------

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1950041

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 is a renewal of certificate No MED 1450070

APPROVAL/EXAMINED DOCUMENTATION

TEST REPORTS

DIFT, Danish Institute of Fire and Security Technology, Jernholmen 12, DK-2650 Hvidovre, Denmark, Test Report File No. PG11917/Serial No. 11712 dated 22nd September 2008.

CONDITIONS OF CERTIFICATION

1. A-30 deck consisting of: 6mm thick aluminium plate insulated on underside with one layer of (40mm thick, density 66 kg/m³) wired mineral wool insulation type 'U Marine Wired Mat 66 VI (slab)' manufactured by Saint-Gobain Isover G+H AG, fitted to plate and around stiffeners, and four layers with wire removed compressed behind stiffeners
2. Total thickness of deck: 46mm
3. Insulation retained to the steel panels and stiffeners with welded steel pins and steel washers, fitted at a maximum spacing of 300mm centres
4. 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)
5. 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
6. 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
7. 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"

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



Lloyd's
Register

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

Page 3 of 3
Document number MED 1950041
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 2 April 2019	Quote this reference on all future communications UKITSO/SFS/TA/JE/WP34288044
----------------------	----------------------------------------------------------------------------------

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1950041

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

- 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