



UK TYPE-EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

Lloyd's Register Marine Limited (LRM Ltd) did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, subject to any conditions in the schedule attached hereto.

Manufacturer	Saint-Gobain ISOVER G+H AG
Address	Buergermeister-Gruenzweig-Strasse 1, D67059, Ludwigshafen, Germany
Reference	MSN1874 Amendment 7
Regulation Item (No. & Item Designation)	UK/3.13 – Non-Combustible Materials
Product Type	Non-Combustible Materials
Product Description	Fire-Resisting Material – Type: "U SeaProtect Slabs 24-100 kg/m ³ "
Trade Name	U SeaProtect Slabs/ U SeaProtect Slab Plus 100
Specified Standard	IMO Res.MSC.307(88)-(2010 FTP Code) , Annex 1, Part 1

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate is issued under the authority of the MCA. 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 approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

The "UK Mark of Conformity" 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 Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an Approved Body.

Lloyd's Register Marine Limited (Reg. no. 13281335) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A member of Lloyd's Register group.

Marta Walk

Senior Surveyor
For and on behalf of Lloyd's Register Marine Ltd. (8512)

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ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR23159241UKMB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and the Merchant Shipping (Marine Equipment) Regulations 2016, as amended for the UK Type Examination of marine equipment for use on UK ships

This Design Appraisal Document forms part of the Certificate.

APPROVAL/EXAMINED DOCUMENTATION

TEST REPORTS

1. Danish Institute of Fire and Security Technology; Jernholmen 12, DK-2650, Hvidovre, Denmark: Fire Test Report PFB10286AC dated January 5th 2018, Fire Test Report PFB10286AD dated January 5th 2018, Fire Test Report No PFB10581A dated February 21st 2023 & Fire Test Report No 221115 dated 29th December 2022.

CONDITIONS OF CERTIFICATION

1. Non-combustible material with a nominal density range of 24kg/m³ to 100kg/m³.
2. The non-combustible material shall have a nominal organic content of equal to or less than 4.7%.
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), as applicable. The UK Conformity Mark cannot be affixed to the product until a conformity assessment module is in place.
4. Each item, batch or lot of the subject equipment is to be issued with a "UK Declaration of Conformity" and have the "UK Conformity Mark" affixed after a conformity assessment module is in place.
5. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products are fully compliant with the relevant statutory regulations as applicable and are designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.
6. Should a change of Place of Production from that stated below be required i.e., where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.
7. The manufacturer must keep a copy of the UK type-examination certificate, its annexes, and additions together with the technical documentation at the disposal of the national authorities for a period of at least 10 years after the UK Conformity Mark has been affixed on the last product manufactured and, in no case for a period shorter than the expected life of the marine equipment concerned.

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12/04/2023
11/04/2028
UKITSO/FIRE/TA/JG/MW/WP48872823/PRJ11100396918

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PLACE OF PRODUCTION

Saint-Gobain ISOVER G+H AG Plant Luebz
Industriestrasse 1
D-19386 Luebz
Germany

M. Walk.

Marta Walk
Senior Specialist, Fire & Safety
Statutory Discipline Team, Marine & Offshore
**For and on behalf of Lloyd's Register Marine Ltd.
(LRM Ltd) - UK Approved Body 8512**

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