



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	Point Eng Ltd.
Address	Unit 10, Lee Smith Street, Hedon Road, Hull, HU9 1SD, United Kingdom (UK)
Reference	MSN1874 Amendment 6
Regulation Item (No. & Item Designation)	UK/3.16 Fire Doors
Product Type	A-60 Single Leaf Hinged Door
Product Description	Fire Resisting Single Leaf Hinged Door – Type: “PEL-HSL-A60”
Trade Name	PEL-HSL-A60
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code), Annex 1, Part 3

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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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

Keith Taylor

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.

Keith Taylor

Team Lead Fire & Safety
For and on behalf of Lloyd's Register Marine Ltd. (8512)

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 '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.



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Certificate No: LR2375483UKMB
Issue Date: 22/02/2023
Expiry Date: 21/02/2028
Reference: UKITSO/FIRE/TA/KT/WP47626763/PRJ11100379994

ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR2375483UKMB

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.

PPROVAL DOCUMENTATION

1. Exova Warringtonfire, Holmesfield Road, Warrington, WA1 2DS, United Kingdom, Fire Test Report No. 379516, dated 20 April 2017.

CONDITIONS OF CERTIFICATION

1. The "PEL-HSL-A60" single leaf hinged door is approved when fitted in an A-60 fire rated steel bulkhead. The door frame shall be attached to the bulkhead with M10 bolts at centres 300mm maximum centres, or continuously welded on at least one side of the bulkhead.
2. The single leaf hinged door leaf shall consist of 1.6mm (minimum) thick Zintec steel sheet skins with a 50mm thick insulating 'Caretta Interior Neptune Panel' manufactured by Caretta Interiors AE, consisting of: 1 x 44mm thick layer of "Rockwool Marine Slab 160" 160' (160kg/m³ density); sandwiched either side by 3mm moulded 'Neptune Boards' (1200kg/m³ density), secured by 'Simpson 70-03' adhesive manufactured by Bostik. The door leaf shall also be fitted internally with steel stiffeners.
3. Maximum door leaf size (single leaf hinged door): 2312mm high x 1289mm wide x 50mm thick.
4. Maximum door clear opening size (single leaf hinged door): 2275mm high x 1205mm wide.
5. Door frame shall consist of 3mm (minimum) thick mild steel 'z' section, secured to the bulkhead as outlined in item 1 above.
6. Door leaf shall be fitted with 3 mild steel hinges and handle set.
7. The door leaf may be fitted with a 'PYROBEL 16' glass vision panel unit manufactured by ACG of a maximum glass clear view size: 685mm wide x 685mm high x 26.6mm thick. The window units are composed of multiple glass and intumescent layers, and shall be installed in the same method and orientation with respect to fire exposed side as in the fire test.
8. Composition, application and installation of subcomponents, including adhesives, glass, seals and any fire retardants, to be maintained in production and use in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions.
9. 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.
10. 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.
11. 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.
12. 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.

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13. 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.

PLACE OF PRODUCTION

Point Eng Ltd.
Unit 10, Lee Smith Street
Hedon Road
Hull, HU9 1SA
United Kingdom (UK)

Keith Taylor

Keith Taylor
Team Lead, Fire & Safety
Fire & Safety, Statutory Discipline Team
**For and on behalf of Lloyd's Register Marine Ltd.
(LRM Ltd) - UK Approved Body 8512**