



TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00002TA
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

That the Embarkation ladders

with type designation(s)
THETIS Embarkation ladders, and THETIS U.D. Embarkation ladders.

Issued to
PTR Holland Group B.V.
Europoort Rotterdam, Netherlands

is found to comply with the requirements in the following Regulations/Standards:
Regulation **MSN 1874 Amendment 6,**
Item No. UK/1.29. SOLAS 74 as amended, Reg. III/4, III/11, III/34 & X/3, LSA code, 2000 HSC code 8 and IMO
MSC.1/Circ.1285 and ISO5489:2008

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-10-20.**

Issued at **London** on **2023-01-31**

DNV local unit:
Netherlands CMC

Approval Engineer:
Knut Polonji

Approved Body No.: **0097**



for **DNV UK Ltd.**

Digitally Signed By: Mydlak-Röder, Christine

Christine Mydlak-Röder
MER Service Responsible



UK Approved Body Authorised
by the MCA

The 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. The product liability rests with the manufacturer or his representative in accordance with the Merchant Shipping (Marine Equipment) Regulations 2016.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV UK Ltd. of any changes to the approved equipment. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply. This certificate remains valid unless suspended, withdrawn, re-called, or cancelled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

- Embarkation ladders with steps made of hardwood and 20 mm diameter side ropes of:
 - Mildew resistant manila ropes, or
 - Orange/blue polypropylene rope, or
 - White polyester/polyolefin (60/40% mix) rope.
- Steps : 4 - 211 / 4 - 151 / 4 - 76 (See below limitations.)
- Lengths : 1.00 metres to 70 metres / 1.00 metres to 50 metres / 1.00 metres to 25 metres. (See below limitations.)

Application/Limitation

- The examination has only considered the embarkation ladders, and not the installation arrangement which shall be verified on-board each vessel.
- Maximum length of embarkation ladders:
 - THETIS Embarkation ladders with manila side ropes shall not exceed 70 metres in total (211 steps).
 - THETIS Embarkation ladders with polypropylene or polyester/polyolefin side ropes shall not exceed 25 metres in total (76 steps).
 - THETIS U.D. Embarkation ladders with manila side ropes shall not exceed 50 metres in total (151 steps).
 - THETIS U.D. Embarkation ladders with polypropylene or polyester/polyolefin side ropes shall not exceed 25 metres in total (76 steps).
- The design assessment is based on ISO5489:2008(E).

Type Examination documentation

- Drawings: THETIS Embarkation ladders / 8-1112-0101 and 8-1112-0170
- Drawings: THETIS U.D. Embarkation ladders / 8-1112-4101 and 8-1112-4125
- Drawing: Hardwood step THETIS / 8-1112-0199, Rev. C.
- Drawing: Hardwood repair step THETIS / 8-1112-0181, Rev. A.
- Prototype Test reports no.: 001-2017, Ed.2 dated 2018-01-03. Witnessed by DNV.
- Test report no.:001-2020, Ed.1, dated 30.10.2020. Witnessed by DNV.
- Test report no.:002-2020, Ed.1, dated 30.10.2020. Witnessed by DNV.
- Test report, Rev.4, dated 19.10.2022. Witnessed by DNV.

Tests carried out

Tests in accordance with ISO5489:2008(E), Sec.5/Table 1.

Marking of product

The product to be marked in accordance with ISO5489:2008(E), Sec. 7.

The manufacturer may affix the Mark of Conformity and shall issue a Declaration of Conformity only when the appurtenant MER-D certificate is valid.