

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00002TA
Revision No:
2

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

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, Zuid-Holland, Netherlands

is found to comply with the requirements in the following Regulations/Standards:
Regulation (EU) 2022/1157, item No. MED/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 **Høvik** on **2022-10-21**

DNV local station:
Netherlands CMC

Approval Engineer:
Øystein Holte



Notified Body
No.: **0575**



for **DNV AS**
Digitally Signed By: Grimsrud, Jan Tore
Location: DNV Høvik, Norway
Signing Date: 21.10.2022
on behalf of:

Sverre Olav Bergli
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
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.

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 according to Article 10 in the Council Directive 2014/90/EU on Marine Equipment and shall issue a Declaration of Conformity only when the appurtenant MED-D certificate is valid.

Note:

The manufacturer shall inform DNV AS of any modifications made to the certified product.
If the regulations and standards specified on the front page of this certificate should be amended before the expiry date of this certificate, the product may have to be re-certified in accordance with the amended regulations and standards before it is placed on-board a vessel.