

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Pilot ladder

with type designation(s)
Thetis

Issued to

PTR Holland Group
Europoort Rotterdam Zuid-Holland, Netherlands

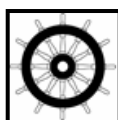
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. MED/4.49. SOLAS 74 as amended, Regulations V/23 & X/3, IMO Res. A.1045(27),
IMO MSC/Circ.1428 and ISO799:2004(E)

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

This Certificate is valid until **2023-01-09**.

Issued at **Høvik** on **2018-01-10**

DNV GL local station:
Rotterdam, Product Certification
/Verification



for **DNV GL AS**

Approval Engineer:
Øystein Holte

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body



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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

Pilot ladders made of mildew manila rope meeting ISO1181:1990 and hard wood steps, in various lengths from 1.70m to 25m (6 to 76 steps.)

Application/Limitation

- This examination has only considered the pilot ladders, and not the pilot transfer arrangement which shall be approved on board.
- The design assessment is based on IMO Res.A.1045(27).
- Handholds to be fitted from the deck to the head of the ladder.
- The maximum length of the pilot ladder shall be 25 m.
- Each rope shall be continuous with no joints below the top step.
- The aluminium clamps for side rope seizing shall have minimum breaking strength of 800 N.
- Metals in contact with each other shall be galvanically compatible, or insulated to prevent galvanic corrosion in a marine environment.

Type Examination documentation

Basis for approval:

- Drawings: Thetis C.S. Pilot ladders / 8-1112-0301 - 8-1112-0325 (Rev.B)
- Drawings: Thetis O.S. Pilot ladders / 8-1112-0401 - 8-1112- 0425 (Rev.C)
- Drawing: Hardwood repair step Thetis / 8-112-0181 (Rev.A)
- Drawing: Hardwood repair spreader Thetis / 8-1112-0186 (Rev.A)
- Test report no. 003-2017, Ed.2: Thetis Pilot ladder dated 06.12.2017. Witnessed by DNV-GL and signed on 03.01.2018.
- Test report no. 002-2015, Ed.A/0: Thetis Embarkation / Pilot ladders dated 18.03.15, witnessed by BV.

Tests carried out

- Tests are documented in accordance with the recommendation on testing of pilot ladders in ISO799:2004(E).

Marking of product

- The product is to be indelibly marked in accordance with ISO799:2004(E) and IMO Res.A.1045(27), Sec.2.1.6 with the: name and contact address of manufacturer, type designation, dimensions and date of manufacture.