

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Gangway**

with type designation(s)

Aluminium gangway 3m, 3,5m, 4m, 4,5m, 5m, 5,5m, 6m, 6,5m, 7m

Issued to

TUYCALDE, S.L.

Cotiño (Dornelas-Mos) Pontevedra, Spain

is found to comply with

ISO 7061:1993(E) – Shipbuilding – Aluminium shore gangways for seagoing vessels

Application :

Aluminium gangway

Issued at **Høvik** on **2016-12-09**

for **DNV GL**

This Certificate is valid until **2020-12-08**.

DNV GL local station: **Vigo**

Approval Engineer: **Xiao Long Eric Song**

Aldo Matteucci
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Examination Certificate and not to the approval of equipment/systems installed.

Job Id:
Certificate No: **TAS00000U4**

Product description

The gangways are designed to withstand a load equal to 4000 N/m²

Application/Limitation

- All materials shall be delivered with Material certificates equal to minimum EN-10204:2005 3.1
- All welding to be carried out by qualified welders and according to procedures acceptable to the surveyor.
- The various components transferring the load like links, shackles, wire etc. shall be made according to recognized standards and be delivered with relevant certificates for grade of material and testing.
- The connection to the ship's structure is to be approved in connection with approval of hull structure.
- The connection between aluminium and steel has to be properly insulated to prevent galvanic corrosion.

Type Approval documentation

Tests carried out

Prototype tests have been carried out on 2012-02-28.

Marking of product

The aluminium gangways are to be marked with the manufacturer's name or trademark and type number identification.

Certificate retention survey

For retention of the Type Examination, DNV surveyor shall perform a survey every second year and before expire date of this certificate to verify that the conditions of the type examination are complied with.

END OF CERTIFICATE