

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 Fire-fighting hoses – Non-percolating lay flat firefighting hoses (range of the inside diameter from 25 mm to 52 mm)

with type designation(s)
"ATLAS" and "ATLAS-C"

Issued to

PRODUCTOS Y MANGUERAS ESPECIALES, S.A.
Santo Domingo de la Calzada, La Rioja, Spain

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/3.29. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7 and EN 14540:2014

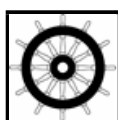
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-07-16**.

Issued at **Høvik** on **2020-07-17**

DNV GL local station:
Area NB/CMC Iberia

Approval Engineer:
Helge Bjørnara



Notified Body
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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

"ATLAS" and "ATLAS-C",
are uncovered non-percolating layflat fire hoses with the following specifications:

"ATLAS"

Colour:	white
Internal diameter:	38 mm, 45 mm and 52 mm
Fabric / textile:	circular woven with 100% high tenacity polyester thread
Inside lining:	synthetic thermoplastic materials
Max. working pressure:	1.5 MPa (15 bar)

"ATLAS-C"

Colour:	red
Internal diameter:	38 mm, 45 mm and 52 mm
Fabric / textile:	circular woven with 100% high tenacity polyester thread
Inside lining:	synthetic thermoplastic materials
Max. working pressure:	1.5 MPa (15 bar)

Application/Limitation

Approved for use as fire hose throughout fire main.

The fire-fighting hose is intended for use at ambient temperature range -20 °C up to 60 °C.

Production and batch tests to be performed in accordance with EN 14540:2014 section 7.

Each product is to be supplied with its manual for installation, maintenance and use.

Type Examination documentation

Tests carried out

Tested according to EN 14540:2014.

Marking of product

The product is to be marked according to EN 14540:2014 Section 8 and the MED Mark of Conformity.