

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00000ZE
Revision No:
2

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

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)
HYFH40, HYFH50

Issued to

Jiangsu Huayan Marine Equipment Co., Ltd.
Jiangsu, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2020/1170**,

item No. MED/3.29. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7 and EN 14540:2014

Manufacturers authorised representative
SEACOTEC GmbH & Co. KG
Hamburg, Germany

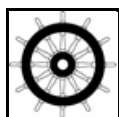
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-04-18**.

Issued at **Hamburg** on **2021-04-19**

DNV local station:
Nanjing NB & CMC

Approval Engineer:
Frank Poetsch



Notified Body
No.: **0098**

for **DNV SE**

Christine Mydlak-Roeder
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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Non-percolating lay-flat fire hoses with following specification:

- Jacket Fabric / Textile: Polyester filament as warp and filler, twill woven
- Lining material: Synthetic EPDM rubber lining
- Diameter: 40 mm / 52 mm
- Max. working pressure: 15 bar
- Min. burst pressure: 45 bar
- Operating temperature range: -20°C up to +60°C

Application/Limitation

Approved for discharging water from the fire main by using fire hoses (SOLAS II-2/10.2.3 and 2000 HSC Code, 7.7.5). This product is not suitable for hose reels.

The hoses should be used with fire hose couplings confirming to the relevant national standards for couplings.

Production and batch tests to be performed in accordance with EN 14540:2014 - §7 Frequency of testing and Annex A (type test and production test).

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

Type Examination documentation

- Test reports issued from CSI, no. 0029\DC\EST\10\01 and no. 0029\DC\EST\10\02, each dated 2011-03-31
- Product data sheets from the manufacturer

Tests carried out

Tested according to EN 14540 (2004) incl. A.1 (2007), as superseded by EN 14540 (2014) Fire-fighting hoses – Non-percolating layflat hoses for fixed systems [no difference in the scope of testing].

Marking of product

The products are to be marked according to EN 14540 (2014) - § 8 Marking and with the MED Mark of Conformity (see page 1).