

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00001YC
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)
SINTACK-D

Issued to

ZYfire Hose Corporation
Jiangyan, China

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

Regulation (EU) 2021/1158,

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

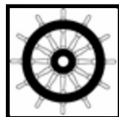
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-04-24**.

Issued at **Hamburg** on **2022-04-25**

DNV local station:
Nantong

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Type „SINTACK-D“:

- Jacket fabric / textile: Polyester filament as warp and filler, twill woven
- Inside lining: Synthetic rubber lining (EPDM)
- Internal diameter: DN40, DN 45, DN50
- Min. burst pressure: 4.5 MPa (45 bar)

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).

The fire-fighting hose has the following specification:

Parameter	Value
Inside diameter	40mm, 45mm, 50mm
Nom. working pressure	10bar
Max. working pressure	15bar
Test pressure	22,5bar
Burst pressure	45bar

Non-percolating lay flat fighting hose consist of the following:

Item	Description
Jacket	Synthetic polyester yarn
Lining	EPDM for inside diam. of 40mm, 45mm and 50mm

Type Examination documentation

CSI Test Report no. 0004/DC/EST/22, single jacket fire hose model: Sintack-D type 15-40, dated 2022-04-13
 CSI Test Report no. 0004/DC/EST/22_2, single jacket fire hose model: Sintack-D type 15-45, dated 2022-04-13
 CSI Test Report no. 0004/DC/EST/22_3, single jacket fire hose model: Sintack-D type 15-50, dated 2022-04-13

Tests carried out

Tested according to EN 14540 (2004) incl. A.1 (2007), as superseded by EN 14540 (2014) [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).