EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00008E4

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL 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)
45-EPDM; 52-EPDM; 40-PVC; 45-PVC; 52-PVC fire hoses

Issued to
JiangSu Sooloong Hose MFG.CO.,Ltd.
Taizhou, **China**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2022/1157,**
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 **2028-09-20**.

Issued at **Hamburg** on **2023-09-21**

DNV local unit:
Jiangyin NB & CMC

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

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This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The lay-flat fire hose with inside diameter d = 40 mm, 45 mm and 52 mm consists of a PVC inner lining and a polyester filament yarn outside white layer. The lay-flat hose with inside diameter d = 45 mm and 52 mm consists of an EPDM inner lining and a polyester filament yarn outside white layer. The hoses are intended for the fixed fire-fighting hose system.

Hose type	Average inside diameter [mm]	Average outside diameter [mm]	Length [m]	Mass [kg]
PVC 40	39,7	45,3	20	2,56
PVC 45	44,7	50,7	20	2,94
PVC 52	51,8	57,3	20	3,72
EPDM 45	44,6	50,7	20	3,70
EPDM 52	51,7	57,3	20	4,28

For further details refer to the documentation listed below under “Type Examination documentation”.

Application/Limitation

Approved for use throughout the fire line except for hose reels.

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

Pressure conditions:

Normal working pressure	1,0 MPa
Maximum working pressure	1,5 MPa
Proof pressure	2,25 MPa
Minimum burst pressure	4,5 MPa

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

Type Examination documentation

Test report No. 230500080 dated 2023-06-30 from Technicky Skusobny Ustav Piestany s.p., Piestany, Slovak Republic

Tests carried out

Tested in accordance with 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.