# TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
**MERB0001N5K**
Revision no.:
**0**

This Certificate is issued by DNV UK Limited, UKAS accredited certification body no. 6086, based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body (no. 0097) to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2025.

## This is to certify:

that the **Surface materials and floor coverings with low flame-spread characteristics: - pipe insulation covers**

with type designation(s)
**Kaiflex ST / Kaiflex ST s2 (with and without self-adhesive layer)**

issued to
**Kaimann GmbH**
**Hansastr. 2-5 33161 Hövelhof Germany**,

is found to comply with the Regulation **(UK) MSN 1874 Amendment 11** for
Item no. **UK/3.18d** (Row **1 of 1**)
according to the following requirements:
**SOLAS 74 Reg. II-2/3, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7, IMO MSC/Circ.1120, SOLAS 74 Reg. II-2/5, SOLAS 74 Reg. X/3**

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

Date of issue: **2026-03-19**

Expiry date: **2031-03-18**

DNV local unit:
**Essen**

Approval Engineer:
**Izabela Misztal**

**Approved Body No:: 0097**

for **DNV UK Ltd.**

**Christine Mydlak-Röder**
**MER Service Responsible**

Maritime & Coastguard Agency
UK Approved Body Authorised by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.
During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved 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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2025, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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 USD 300 000.

## Product description

"Kaiflex ST / Kaiflex ST s2"
is an insulation material of a foam structure glued with a self-adhesive foil (of an SK type and 0.06 mm thickness) to 1 mm steel sheet.

Thickness: 3 mm - 50 mm
Density: 50 kg/m³

## Application/Limitation

Approved for use as combustible insulation material of low flame-spread characteristics.

Approved for all colour variations.
Maximum organic content: 45%

The combustible insulation with low-flame spread characteristics may be used in cargo spaces, mail rooms, baggage rooms and refrigerated compartments of service spaces as well as for cold service pipework/fittings for refrigeration systems (SOLAS Reg. II-2/5.3.1.1). Piping for hot and cold sanitary water is not regarded as "cold service pipework/fittings".

Extent of application is to be considered and accepted for each case/project.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

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

## Type Examination documentation

## Tests carried out

Tested according to IMO 2010 FTP Code Part 5 and Annex 2 item 2.2 and item 2.3.

## Marking of product

The product or packaging is to be marked with name and address of manufacturer, type designation and the Mark of Conformity (see first page).