TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB0001N1K
Revision no.:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

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

with type designation(s)
AF/ArmaFlex Evo

issued to
Armacell GmbH
Münster, **Germany**

is found to comply with the Regulation **(UK) MSN 1874 Amendment 10** for
Item no. **UK/3.18d** (Row **1 of 1**)
according to the following requirements:
SOLAS 74 Reg. II-2/3, SOLAS 74 Reg. II-2/5, 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: **2025-04-14**

Expiry date: **2030-04-13**

DNV local unit:
Essen

Approval Engineer:
Marcin Tobiasz

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 2016, 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

“AF/ArmaFlex EVO”,
Composed of flexible elastomeric foam insulation based on a synthetic rubber with built-in Microban (antimicrobial protection).

Product may be bonded to the surface with self-adhesive ArmaFlex tape or Armaflex contact adhesive (application rate 100 g/m²).

Density: 48-75 kg/m³ (ArmaFlex tape 65-90 kg/m³).
Thickness: 3 mm – 50 mm.

Application/Limitation

Approved for use as combustible insulation material with low flame-spread characteristics, not generating excessive quantities of smoke nor toxic products in fire.

Approved for all colour variations.
Maximum organic content: 40%

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.

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.

The product satisfies the requirement for maximum calorific value (SOLAS Reg. II-2/5.3.2.2) without further testing.

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

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

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 packing is to be marked with name and address of manufacturer, type designation and Mark of Conformity (see first page).