



Marine & Offshore

Certificate number: 74479/A0 MED

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USCG Module B number: 164.112 / EC2690

This certificate is not valid when presented without the full attached schedule
composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2022/1157 of 4 July 2022

This certificate is issued to:

PAROC GROUP OY

HELSINKI - FINLAND

for the type of product

SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS: DECORATIVE VENEERS

AluCoat, AluCoat T, G1, G2, G3, G4, G7, N3, N5, BlackCoat, NR10 to NR50, NR10RT to NR30RT facings
to be applied on non-combustible PAROC Marine wools.

****For NR15RT-NR30RT, restricted application (see §4.3)****

Requirements:

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/6, II-2/9, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res. MSC.307(88) (2010 FTP Code)

IMO MSC/Circ.1120

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 25 Apr 2028


For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV TURKU (ABO), on 25 Apr 2023,

Miika KOKKO

This certificate was created electronically and is valid without signature



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Designation	Description	Nominal weight	Glue between mineral wool and facing
AluCoat	Glass fibre scrim reinforced aluminium foil with PE layer	64-80 g/m ²	PE layer
AluCoat T	Glass fibre scrim reinforced aluminium foil with PE layer. Longitudinal joints sealed with double-side adhesive tape with PET carrier (25 mm wide)	80 g/m ² (alu foil) / 2x35 g/m ² (adhesive)	PE layer
G1	White glass fibre cloth	210 g/m ²	As per Technical note for gluing options (refer to §2)
G2	Black glass fibre cloth	200 g/m ²	As per Technical note for gluing options (refer to §2)
G3	White glass fibre cloth	430 g/m ²	As per Technical note for gluing options (refer to §2)
G4	White glass fibre cloth with aluminium facing and PE layer	250 g/ m ²	PE layer
G7	White glass fibre cloth with aluminium facing and PE layer	250 g/m ²	PE layer
N3	Black glass fibre non-woven tissue	60 g/m ²	No (attached by the curing procedure of the wool without any glue)
N5	Grey glass fibre non-woven tissue	60 g/m ²	No (attached by the curing procedure of the wool without any glue)
BlackCoat	Glass fibre scrim reinforced black aluminium foil with PE layer	91 g/m ²	PE layer
NR10 to NR50	Grey clothing made of modified plastic polymer with mineral fillers	2.1 to 10.5 kg/m ² 1 to 5 mm	As per Technical note for gluing options (refer to §2)
NR10RT to NR30RT	Visco-elastic membrane made of plastic polymers and fillers, reinforced by fiber glass net and non-woven fabric	2.1 to 6.3 kg/m ² 1 to 3 mm	As per Technical note for gluing options (refer to §2)

****Following on next page****

2. DOCUMENTS AND DRAWINGS :

AluCoat	Technical data sheet dated 11/01/2023
AluCoat T	Technical data sheet dated 11/01/2023
G1	Technical data sheet dated 11/01/2023
G2	Technical data sheet dated 11/01/2023
G3	Technical data sheet dated 11/01/2023
G4	Technical data sheet dated 17/01/2023
G7	Technical data sheet dated 06/02/2023
N3	Technical data sheet dated 11/01/2023
N5	Technical data sheet dated 11/01/2023
BlackCoat	Technical data sheet dated 21/11/2022
NR10 to NR50	Technical data sheet dated 17/01/2023
NR10RT to NR30RT	Technical data sheet dated 17/01/2023
Gluing options for facings	Technical note dated 10/03/2023

3. TEST REPORTS:

Tests as per IMO 2010 FTP Code, Annex 1, Part 5, except * as per 2010 FTP Code, Annex 1, Part 2.

Designation	Test report reference	Date of issue	Laboratory
AluCoat	N° PFB1050A	02/02/2021	DBI, Denmark
AluCoat T	N° PFB10524A	16/12/2021	DBI, Denmark
G1	N°PFB10490B N°PFB10502B N°PFB10490A N°PFB10550A	01/07/2021 06/10/2021 01/07/2021 17/06/2022	DBI, Denmark
G2	N°PFB10564B N° PFB10550B	01/11/2020 17/06/2022	DBI, Denmark
G3	N°PFB10564A N°PFB10564C N°PFB10564D N° PFB10550C	11/01/2020 11/01/2020 11/01/2020 17/06/2022	DBI, Denmark
G4	N°PFB10564E	01/11/2020	DBI, Denmark
G7	N°PFB10396F	03/03/2022	DBI, Denmark
N3	N°PFB10490D	01/07/2021	DBI, Denmark
N5	N°PFB10490E	01/07/2021	DBI, Denmark
BlackCoat	N°PFB10307C	17/09/2018	DBI, Denmark
NR10-NR50	NR10: 1358\DC\REA\22_1 NR50: 1358\DC\REA\22_2 NR10: 1358\DC\REA\22_3 NR50: 1358\DC\REA\22_4	14/11/2022 14/11/2022 14/11/2022 14/11/2022	CSI, Italy
NR10RT	1358_DC_REA_22_7 1358_DC_REA_22_9	14/11/2022 14/11/2022	CSI, Italy
NR30RT	1358_DC_REA_22_8 1358_DC_REA_22_10	14/11/2022 14/11/2022	CSI, Italy

4. APPLICATION / LIMITATION:

4.1 - Approved materials are considered as having low flame spread characteristics (as per IMO 2010 FTP Code Part 5).

4.2 - Except for NR15RT-NR30RT:

4.2.1 - In application of FTP Code 2010 Annex 2 § 2.2, the products are expected to satisfy the requirement of smoke & toxicity of IMO 2010 FTP Code, Annex 1, Part 2 without further testing.

4.2.2 - In application of FTP Code 2010 Annex 2 § 2.3, the product is expected to satisfy the requirement of maximum gross calorific value (e.g. 45 MJ/m²) without further testing as per ISO 1716.

4.3 - **For NR15RT-NR30RT only - Restricted application:** product can be used only for insulation surfaces (as defined in IMO 2010 FTP Code, Annex 4, Table 1) and for surfaces in concealed or inaccessible spaces (as defined in IMO FTP Code, Annex 4, Tables 2 and 3).

4.4 - G3, G4 and BlackCoat facings were tested on PAROC Marine Slab 30 (30 kg/m³). Such facings may be applied on any non-combustible material having a density higher or equal to 22.5 kg/m³.

4.5 - Alucoat, AluCoat T, G1, G2, G7, N3, N5, NR10/NR50 and NR10RT/NR30RT facings were tested on PAROC Marine Slab 40 (40 kg/m³). Such facings may be applied on any non-combustible material having a density higher or equal to 30 kg/m³.

5. PRODUCTION SURVEY REQUIREMENTS:

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

6. MARKING OF PRODUCT:

6.1 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004 amended by Decision 1/2018 of 18 February 2019, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

7.1 - It is **PAROC GROUP OY**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate is considered as the renewal of EC Type Examination Certificates issued by EUROFINS, Finland:

N° EUFI-29-22002324-1 issued on 19/08/2022,
 N° EUFI-29-22002324-2 issued on 19/08/2022,
 N° EUFI-29-22002324-4 issued on 19/08/2022,
 N° EUFI-29-22002324-5 issued on 19/08/2022,
 N° EUFI-29-22003106-5 v1 issued on 17/01/2023,
 N° EUFI-29-22003481-5 v1 issued on 17/01/2023,
 N° EUFI-29-22003482-5 issued on 19/08/2022,
 N° EUFI-29-22003483-2 issued on 19/08/2022,
 N° EUFI-29-22003483-5 issued on 19/08/2022,
 N° EUFI-29-22003484-2 issued on 19/08/2022,
 N° EUFI-29-22003484-5 issued on 19/08/2022,
 N° EUFI-29-22003485-5 issued on 19/08/2022,
 N° EUFI-29-22003486-1 issued on 19/08/2022,
 N° EUFI-29-22003486-2 issued on 19/08/2022,
 N° EUFI-29-22003486-5 issued on 19/08/2022,
 N° EUFI-29-22003488-1 issued on 19/08/2022,
 N° EUFI-29-22003488-2 issued on 19/08/2022,

N° EUFI-29-22003488-4 issued on 19/08/2022,
N° EUFI-29-22003488-5 issued on 19/08/2022,
N° EUFI-29-22003492-5 issued on 19/08/2022,
N° EUFI-29-22005604-5 issued on 17/01/2023,
N° EUFI-29-22005605-5 issued on 17/01/2023.

***** END OF CERTIFICATE *****