



Marine & Offshore

Certificate number: 74480/A2 MED

File number: AC11000/129

Item number: MED/3.13

USCG Module B number: 164.109 / 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) 2024/1975 of 19 July 2024

This certificate is issued to:

Paroc Group Oy

Energiakuja 3, FI-00181, Helsinki, FINLAND

for the type of product

NON-COMBUSTIBLE MATERIALS

Non-combustible insulating materials made of stone wool formed as slabs, mats, pipe sections, pipe elbows, lamella mats, wired mats with wire mesh.

Requirements:

Row 1 of 1 of Regulation (EU) 2024/1975:

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, 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)- as amended

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: 02 May 2028


For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV TURKU (ABO), on 22 May 2025,

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:

Non-combustible insulating materials made of stone wool formed as slabs, mats, pipe sections, pipe elbows, lamella mats, wired mats with wire mesh

Designation	Description	Nominal density (kg/m ³)	Organic content (%)
Slabs:			Nominal value*
PAROC Marine Slab 30	Stone wool slab	30	1.7
PAROC Marine Slab 40	Stone wool slab	40	1.9
PAROC Marine Slab 60	Stone wool slab	60	1.7
PAROC Marine Slab 80	Stone wool slab	80	2.4
PAROC Marine Slab 130	Stone wool slab	130	1.9
PAROC Marine Slab 150	Stone wool slab	150	3.9
PAROC Marine Slab 160	Stone wool slab	160	1.9
PAROC Marine Slab 180	Stone wool slab	180	1.9
PAROC Marine Slab 200	Stone wool slab	200	1.9
PAROC Marine Slab 220	Stone wool slab	220	2.4
PAROC Marine Slab 250	Stone wool slab	230	2.4
PAROC Marine Slab LO 150	Stone wool slab	150	1.2
PAROC Marine Slab VLO 150	Stone wool slab	150	0.7
PAROC Marine Fire Slab 80	Stone wool slab	80	1.3
PAROC Marine Fire Slab 100	Stone wool slab	100	1.3
PAROC Marine Fire Slab 110	Stone wool slab	110	1.3
PAROC Marine Fire Slab 120	Stone wool slab	120	1.3
PAROC Marine Fire Slab 130	Stone wool slab	130	1.3
PAROC Marine Fire Slab 140	Stone wool slab	140	1.7
PAROC Marine Fire Slab 150	Stone wool slab	150	1.7
PAROC Marine Fire Slab 220	Stone wool slab	220	0.8
Cylindrical products:			Maximum value
PAROC Hvac Section (TRZ)** and formatted parts (Combi, Bend)	Stone wool pipe section / elbow	80-120	3.3
PAROC Pro Section 100** and formatted parts (Combi, Lock Bend, Segment, Curve)	Stone wool pipe section / elbow	100-120	3.3
PAROC Pro Section 120** and formatted parts (Combi, Lock Bend, Segment, Curve)	Stone wool pipe section / elbow	120	3.3
PAROC Pro Section 140** and formatted parts (Combi, Lock Bend, Segment, Curve)	Stone wool pipe section / elbow	140	3.3
PAROC Pro Section WR 100*** and formatted parts (Combi, Lock Bend, Segment, Curve)	Stone wool pipe section / elbow	100	3.4
PAROC Pro Section WR 120*** and formatted parts (Combi, Lock Bend, Segment, Curve)	Stone wool pipe section / elbow	120	3.4
PAROC Pro Section WR 140*** and formatted parts (Combi, Lock Bend, Segment, Curve)	Stone wool pipe section / elbow	140	3.4
Mats:			Nominal value*
PAROC Marine Mat 35	Stone wool mat	35	1.4
PAROC Marine Mat 50	Stone wool mat	50	0.9
PAROC Marine Mat 80	Stone wool mat	80	0.6
Wired mats:			Nominal value*
PAROC Marine Wired Mat 80	Stone wool mat covered with wire mesh on one side	80	0.6
Lamella mats:			Nominal value*
PAROC Marine Lamella Mat 35	Stone wool lamella mat	35	3.2
PAROC Marine Lamella Mat 50	Stone wool lamella mat	50	2.7

* The tolerance on organic content of PAROC marine wool products is within $\pm 0.7\%$ absolute of the values stated as the nominal organic content, with the absolute minimum greater than or equal to 0.1%

** For non-WR cylindrical products: Valid for the density range 59.4~168.3 kg/m³ and LOI $\leq 3.3\%$

*** For WR cylindrical products: Valid for the density range 72.9~155.1 kg/m³ and LOI $\leq 3.4\%$

2. DOCUMENTS AND DRAWINGS:

Designation	Technical data sheet dated
PAROC Marine Slab 30	02/04/2025
PAROC Marine Slab 40	02/04/2025
PAROC Marine Slab 60	02/04/2025
PAROC Marine Slab 80	02/04/2025
PAROC Marine Slab 130	02/04/2025
PAROC Marine Slab 150	02/04/2025
PAROC Marine Slab 160	02/04/2025
PAROC Marine Slab 180	02/04/2025
PAROC Marine Slab 200	02/04/2025
PAROC Marine Slab 220	02/04/2025
PAROC Marine Slab 250	02/04/2025
PAROC Marine Slab LO 150	02/04/2025
PAROC Marine Slab VLO 150	02/04/2025
PAROC Marine Fire Slab 80	02/04/2025
PAROC Marine Fire Slab 100	02/04/2025
PAROC Marine Fire Slab 110	02/04/2025
PAROC Marine Fire Slab 120	02/04/2025
PAROC Marine Fire Slab 130	02/04/2025
PAROC Marine Fire Slab 140	02/04/2025
PAROC Marine Fire Slab 150	02/04/2025
PAROC Marine Fire Slab 220	02/04/2025
PAROC Hvac Section	05/03/2025
PAROC Hvac Section TRZ	26/03/2025
PAROC Hvac Combi	05/03/2025
PAROC Hvac Bend	05/03/2025
PAROC Pro Section 100	05/03/2025
PAROC Pro Combi 100	26/03/2025
PAROC Pro Lock 100	29/03/2023
PAROC Pro Bend 100	26/03/2025
PAROC Pro Segment 100	29/03/2023
PAROC Pro Curve 100	29/01/2024
PAROC Pro Section 120	18/08/2023
PAROC Pro Combi 120	02/04/2025
PAROC Pro Lock 120	26/03/2025

Designation	Technical data sheet dated
PAROC Pro Bend 120	22/08/2023
PAROC Pro Segment 120	22/08/2023
PAROC Pro Curve 120	29/01/2024
PAROC Pro Section 140	26/03/2025
PAROC Pro Combi 140	26/03/2025
PAROC Pro Lock 140	29/03/2023
PAROC Pro Bend 140	26/03/2025
PAROC Pro Segment 140	22/08/2023
PAROC Pro Curve 140	29/01/2024
PAROC Pro Section WR 100	15/11/2024
PAROC Pro Combi WR 100	17/02/2025
PAROC Pro Lock WR 100	14/11/2024
PAROC Pro Bend WR 100	19/11/2024
PAROC Pro Segment WR 100	14/11/2024
PAROC Pro Curve WR 100	17/02/2025
PAROC Pro Section WR 120	17/02/2025
PAROC Pro Combi WR 120	02/04/2025
PAROC Pro Lock WR 120	17/02/2025
PAROC Pro Bend WR 120	17/02/2025
PAROC Pro Segment WR 120	17/02/2025
PAROC Pro Curve WR 120	17/02/2025
PAROC Pro Section WR 140	17/02/2025
PAROC Pro Combi WR 140	17/02/2025
PAROC Pro Lock WR 140	17/02/2025
PAROC Pro Bend WR 140	17/02/2025
PAROC Pro Segment WR 140	17/02/2025
PAROC Pro Curve WR 140	17/02/2025
PAROC Marine Mat 35	19/02/2025
PAROC Marine Mat 50	19/02/2025
PAROC Marine Mat 80	19/02/2025
PAROC Marine Wired Mat 80	19/02/2025
PAROC Marine Lamella Mat 35	19/02/2025
PAROC Marine Lamella Mat 50	19/02/2025

3. TEST REPORTS:

Test reports as per IMO 2010 FTP Code Annex 1 Part 1, (1)from Eurofins, Finland, or (2)from DBI, Denmark.

Designation	Test reports	Date
PAROC Marine Slab 30	N° EUFI29-22004826-T7(1)	15/03/2023
PAROC Marine Slab 40	N° EUFI33-22004306-T2(1)	12/12/2022
PAROC Marine Slab 60	N° EUFI29-21004930-T1(1)	20/12/2021
PAROC Marine Slab 80	N° EUFI29-22004822-T2(1)	22/12/2022
PAROC Marine Slab 130	N° EUFI29-19005633-T12(1)	31/12/2019
PAROC Marine Slab 150	N° EUFI29-21003076-T1(1)	06/07/2021
PAROC Marine Slab 160	N° EUFI29-21004930-T3(1)	20/12/2021
PAROC Marine Slab 180	N° EUFI29-21004930-T4(1)	20/12/2021
PAROC Marine Slab 200	N° EUFI29-21005856-T1(1)	27/12/2021
PAROC Marine Slab 220	N° EUFI29-21004930-T7(1)	20/12/2021
PAROC Marine Slab 250	N° EUFI29-21004930-T5(1)	20/12/2021
PAROC Marine Slab LO 150	N° EUFI29-21004930-T8(1)	20/12/2021
PAROC Marine Slab VLO 150	N° EUFI29-20005633-T20(1)	25/02/2021

Designation	Test reports	Date
PAROC Marine Fire Slab 80	N° EUFI29-21004930-T6(1)	20/12/2021
PAROC Marine Fire Slab 100	N° EUFI29-22004826-T2(1)	06/02/2023
PAROC Marine Fire Slab 110	N° EUFI33-22004306-T1(1)	12/12/2022
PAROC Marine Fire Slab 120	N° EUFI29-22000552-T1(1)	28/02/2022
PAROC Marine Fire Slab 130	N° EUFI29-22004822-T1(1)	06/02/2023
PAROC Marine Fire Slab 140	N° EUFI29-21004930-T2(1)	20/12/2021
PAROC Marine Fire Slab 150	N° EUFI29-21004598-T1(1)	08/11/2021
PAROC Marine Fire Slab 220	N° PFB10464B rev. 2(2)	11/05/2021
PAROC Hvac Section (TRZ) and formatted parts (Combi, Bend)	N° PFB10692A(2) and N° PFB10692B(2) + assessment N° PHD10148A Rev.0(2)	04/04/2025 13/04/2025
PAROC Pro Section 100 and formatted parts (Combi, Lock Bend, Segment, Curve)		
PAROC Pro Section 120 and formatted parts (Combi, Lock Bend, Segment, Curve)		
PAROC Pro Section 140 and formatted parts (Combi, Lock Bend, Segment, Curve)		
PAROC Pro Section WR 100 and formatted parts (Combi, Lock Bend, Segment, Curve)	N° PFB10679A(2) and N° PFB10679B(2) + assessment N° PHD10148A Rev.0(2)	20/01/2025 13/04/2025
PAROC Pro Section WR 120 and formatted parts (Combi, Lock Bend, Segment, Curve)		
PAROC Pro Section WR 140 and formatted parts (Combi, Lock Bend, Segment, Curve)		
PAROC Marine Mat 35	N° EUFI29-21005348-T7(1)	27/12/2021
PAROC Marine Mat 50	N° EUFI29-21005348-T8(1)	27/12/2021
PAROC Marine Mat 80	N° EUFI29-22004826-T5(1)	27/02/2023
PAROC Marine Wired Mat 80	N° EUFI29-22004826-T9(1)	27/02/2023
PAROC Marine Lamella Mat 35	N° EUFI29-21005348-T2(1)	27/12/2021
PAROC Marine Lamella Mat 50	N° EUFI29-21005348-T3(1)	27/12/2021

4. APPLICATION / LIMITATION:

- 4.1 - The fitting aboard should be the same as described in §1.
- 4.2 - The products may be used as an integrated part of approved fire resisting divisions only when tested as such.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - 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.

5.2 - For information concerning the production phase modules, **PAROC GROUP OY** has declared the following manufacturing sites:

Paroc Oy Ab
Sysilahden teollisuusalue 4
21600 Parainen
FINLAND

PAROC POLSKA Sp. z o.o.
ul. Gnieznienska 4
62-240 Trzemeszno
POLAND

UAB Paroc
Savanoriu 124
03153 Vilnius
LITHUANIA

Paroc AB
Strandvägen 1
SE-533 04 Hällekis
SWEDEN

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 - This equipment is covered by the scope of the Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment signed February 27th, 2004 and amended by Decision No.1/2023 dated 26 May 2023 according to U.S. Coast Guard approval category indicated on front page of this certificate.

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.

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 supersedes the EC-Type Examination Certificate N° 74480/A1 MED issued on 09/04/2024.

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