



MARINE DIVISION

Certificate number: 24481/A0 BV

File number: ACI 1000/129/83 to 85

Product code: 5210H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**PAROC GROUP OY**  
HELSINKI - FINLAND

*for the type of product*

### NON-COMBUSTIBLE MATERIALS

PAROC Pro Lamella Mat AluCoat - PAROC Pro Lamella Mat 80 AluCoat - PAROC HVAC Lamella Mat AluCoat

#### Requirements:

BV Rules Part C, Chapter 4.

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

IMO Resolution MSC.36(63) - (1994 HSC Code) 7 and IMO Resolution MSC.97(73) - (2000 HSC Code) 7.

IMO Resolution MSC.61(67) - (FTP Code) Annex 1 Part 1.

IMO MSC/Circ.1120.

*This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 06 Jul 2016**

For **BUREAU VERITAS**,

At BV HELSINKI, on 06 Jul 2011,

Tommy Andersson



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. 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. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division 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 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 density (kg/m <sup>3</sup> )
<b>PAROC Pro Lamella Mat AluCoat</b>	Stone wool lamella mat with a reinforced aluminium foil facing	50
<b>PAROC Pro Lamella Mat 80 AluCoat</b>	Stone wool lamella mat with a reinforced aluminium foil facing Thickness 30 mm till 100 mm	80
<b>PAROC HVAC Lamella Mat AluCoat</b>	Stone wool lamella mat with a reinforced aluminium foil facing Thickness from 20 till 100 mm	35

### 2. DOCUMENTS AND DRAWINGS:

None.

### 3. TEST REPORTS:

Designation	Test reports from VTT, Finland	Date of issue
PAROC Pro Lamella Mat AluCoat	N° VTT – S-8164-09 (based on former name : PAROC Lamella Mat 50 AluCoat)	9 Nov 2009
PAROC Pro Lamella Mat 80 AluCoat	N° VTT – S-10304-10	21 Dec 2010
PAROC HVAC Lamella Mat AluCoat	N° VTT – S-10305-10 (based on former name : PAROC Lamella Mat AluCoat)	21 Dec 2010

All test reports are as per IMO FTP Code - Annex 1 Part 1 [testing standards: ISO 1182:2002].

### 4. APPLICATION / LIMITATION:

Flame spread, smoke characteristics and calorific value of the lining to be as per applicable regulation.

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The "PAROC Pro Lamella Mat AluCoat", "PAROC Pro Lamella Mat 80 AluCoat" and "PAROC HVAC Lamella Mat AluCoat" are to be manufactured, examined and tested by **PAROC GROUP OY** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **PAROC GROUP OY** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **PAROC GROUP OY** has declared to Bureau Veritas that the type of product described in this certificate may be manufactured at the following production site:

**PAROC GROUP OY**  
**P.O. Box 47**  
**FI-00621 HELSINKI**  
**FINLAND**

### 6. MARKING OF PRODUCT:

The product or packing is to be marked with manufacturer name, type, designation and fire-technical rating.

### 7. OTHERS:

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the materials at any time and that the applicant will accept full responsibility for informing shipbuilders, shipowners and their sub-contractors of the proper methods of fitting, use and general maintenance of the material (units, approved equipment) and the conditions of this approval.

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