



## Confirmation of Product Type Approval

**Company Name:** PAROC AB

**Address:** STRANDVAGEN 1 SE-53394 Sweden

**Product:** Deck, Class A-30 deck

**Model(s):** A-30 Steel Deck, PAROC Marine Fire Slab 80, 40/160mm

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	18-SG1773967-PDA-DUP	01-OCT-2018	30-SEP-2023
Manufacturing Assessment (MA)	18-GB3569657	17-OCT-2018	16-OCT-2023
Product Quality Assurance (PQA)	NA	NA	NA

### **Tier**

3

### **Intended Service**

For use on Ships and Offshore Installations.

### **Description**

"A" Class steel deck insulated with stone wool slabs having a nominal density of 80 kg/m<sup>3</sup>. The insulation is applied in one minimum 40mm thick layer between the stiffeners and along the both sides of the stiffener webs for minimum length of 160mm. Stiffeners that are less than 160mm high shall be insulated around.

Insulation is fastened by using steel pins and steel washers or with bent pins without washers with maximum distance 300 mm to the nearest pin.

### **Ratings**

A-30 Class Deck

### **Service Restrictions**

1. Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. Continued compliance with the statutory requirements requires maintenance of full Type Approval. The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.
3. Unless specially directed by the Administration, this type approval is not to be construed as a substitute for a Flag Administration's approval for the purpose of SOLAS (Consolidated Edition 2014), as amended.
4. This certificate may not be used for EU and US flagged vessels (MED and/or USCG have their own specific requirements).

5. The Deck is tested with insulation on the exposed face and with stiffeners on the same side.

### Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

### Notes, Drawings and Documentation

This certificate is based on the following:

- 1) Test Report No 2016CS01482/1 issued by Test Laboratory of RINA Services Spa.
- 2) Test Report No. VTT-S-5285-15 dated 12 November 2015 for PAROC Marine Fire Slab 80 issued by VTT Expert Services Ltd
- 3) Safety Data Sheet for PAROC Stone Wool
- 4) Technical Specification Sheet for PAROC Marine Fire Slab 80

### Term of Validity

This Product Design Assessment (PDA) Certificate 18-SG1773967-PDA-DUP, dated 01/Oct/2018 remains valid until 30/Sep/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

### ABS Rules

- Steel Vessel Rule 2018: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-1-1/7.15
- Steel Vessels Under 90 Meters in Length Rules 2018: 1-1-4/7.7, 1-1-A3, 1-1-A4
- Offshore Support Vessels Rules 2018: 1-1-4/7.7, -ABS Steel Vessel Rule 2018: 1-1-4/7.7, 1-1-A3, 1-1-A4
- Marine Vessel Rules 2018: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-1-1/7.15
- MODU Rule 2018:1-1-4/9.7, 1-1-A2, 1-1-A3
- MOU Rule 2018: 1-1-4/9.7, 1-1-A2, 1-1-A3

### International Standards

- IMO 2010 FTP Code, 2012 Edition, Annex 1, Part 3.
- SOLAS Consolidated Edition 2014 (As Amended), Chapter II-2/Regulation 3.2

### EU-MED Standards

NA

### National Standards

NA

### Government Standards

NA

### Other Standards

NA



A handwritten signature in blue ink, appearing to read "James W. White".

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 01-Dec-2020 4:25

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.