



## CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product(s) detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations for use on offshore units classed with Lloyd's Register, and for use on offshore units and onshore facilities when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	Rockwool International A/S
<b>Address</b>	Hovedgaden 501 2640 Hedehusene Denmark
<b>Type</b>	<b>NON-LOAD BEARING CLADDING SYSTEM (HYDROCARBON FIRE TEST)</b>
<b>Equipment Description</b>	H-60 Non-Load Bearing Cladding System – Type: 1.5mm thick Profiled Steel Plate Insulated on the Fire Exposed Side with “SeaRox SL 660” (50mm thick, 150 kg/m <sup>3</sup> density) and “SeaRox WM 660” (40mm thick, 150 kg/m <sup>3</sup> density)
<b>Specified Standard</b>	Testing Meets the Requirement of: IMO Res. A.754(18) – (FTP Code) Performance Criteria incorporating the EN 1363-2 Hydrocarbon Time/Temperature Relationship

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue 21 January 2020 Expiry date 20 January 2025

Certificate No. SAS F190164 Signed 

Sheet No 1 of 3 Name K. Taylor  
Surveyor to Lloyd's Register EMEA  
A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Lloyd's  
Register

## Lloyd's Register EMEA (Southampton)

Marine & Offshore UK&I

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### DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
21 September 2019	UKITSO/SFS/TA/KT/WP37006014

#### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F190164

This Design Appraisal Document forms part of the Certificate.

This Certificate is a replacement of previous Lloyd's Register EMEA Certificate of Fire Approval No: SAS F140345.

#### APPROVAL DOCUMENTATION

1. Danish Institute of Fire and Security Technology (DBI), Test Report No. PG11997, Serial No. 11855, dated 21 January 2009.
2. Manufacturers Drawing No. (21) 4.007, dated 08 December 2010.

#### CONDITIONS OF CERTIFICATION

1. Insulated face of the vertical division to be exposed to the fire risk side in all cases
2. Consisting of: 1.5mm thick profiled steel plate insulated on the fire exposed side with one layer of "SeaRox SL 660" (50mm thick, 150kg/m<sup>3</sup> density) and one layer of "SeaRox WM 660" (40mm thick, 150kg/m<sup>3</sup> density) with staggered joints retained to the steel substrate with 3mm diameter welded steel pins and steel washers 28mm diameter spaced at 300mm centres. The insulation mounted in an even layer leaving no insulation in the troughs and securely supported by steel mesh across the troughs where dimensions exceed the as-tested profile
3. Depth of profiled plate and the structural arrangements to be separately approved by Lloyd's Register for load bearing requirements
4. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype
5. The Certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, whether manufactured by themselves or their licensee manufacturers, if agreed by Lloyd's Register, are fully compliant with the relevant statutory regulations and Lloyd's Register Class Rules as applicable and designed and manufactured to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties

#### PLACES OF PRODUCTION

Rockwool International A/S  
Hovedgaden 501  
2640 Hedehusene  
Denmark

Rockwool A/S  
Moss  
Trondheim  
Norway

Rockwool Polska Sp. z.o.o.  
66-131 Cigacicie  
Poland

Rockwool BV  
NL-6045 JG Roermond  
The Netherlands

Rockwool Hungary  
8300 Tapolca  
Hungary

Rockwool Peninsular S.A.U.  
E-31380 Caparrosa  
Spain



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#### PLACES OF PRODUCTION (Cont'd)

Rockwool Ltd  
Pencoed  
Bridgend  
Wales, CF35 6NY  
United Kingdom



Keith Taylor  
Lloyd's Register EMEA

Keith Taylor  
Team Lead, Fire & Safety  
Statutory Discipline Team  
UK&I Technical Support Office, Marine & Offshore  
Lloyd's Register

#### Supplementary Type Approval Terms and Conditions

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).*