

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the "B" Class divisions, fire integrity

with type designation(s)

B-0 CLASS CEILING PANEL, SC-253

Issued to

Sejin Technical Industries Co., Ltd.
Yongsan-si, Gyeongsangnam-do, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2018/773,**

item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2.3.4 & II-2/9 and IMO 2010 FTP Code

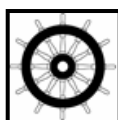
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-08-28.**

Issued at **Høvik** on **2019-06-26**

DNV GL local station:
Gimhae Station

Approval Engineer:
Karolina Kusmider



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

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 "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Product description

"SC-253 (B-0 CLASS CEILING PANEL)"

Composed of ceiling panels suspended min. 300 mm below the structural deck. Ceiling panels consist of 25 mm thick mineral wool from Byucksan Co.Ltd with nominal density 60 kg/m³, covered with 0.55 mm thick perforated galvanized steel sheet (max 5% porosity of Φ1.8mm) or non-perforated galvanized steel sheet on exposed side. The ceiling panels are connected to the deck with hanger sets connected to main runners. The panels are connected to each other with connection profiles.

Total panel thickness is 25 mm.

Max. distance between Hanger sets:

- in longitudinal direction: 1400 mm
- in transversal direction: 1200 mm
- across connection profile 600 mm

For further details, see drawing mentioned under Type Examination documentation below.

Application/Limitation

Approved for use as a horizontal fire retarding division of class B-0.

Maximum width of panels: 300 mm.

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

Each product is to be supplied with its manual for installation and maintenance.

Type Examination documentation

- Test Report No. KOMERI-0402-16T0860 dated 23 June 2016 from Korea Marine Equipment Research Institute (KOMERI), Korea.
- Drawing No. ACTOSYS-SC253-001-01 Rev.0 dated 2016-03-10 from the manufacturer.
- Drawing no. STD-SC253-1 Rev.0 dated 2014-01-05 (installation procedure) from the manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG marking when required (see page 1).