

# 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)  
**C-506 (B-15 CLASS CEILING PANEL)**

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 **2020-04-28**.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"C-506 (B-15 CLASS CEILING PANEL)"

ceiling panels composed of 50 mm thick mineral wool from Byucksan Co.Ltd (density 200 kg/m<sup>3</sup>), with 0.55 mm thick galvanized steel sheets on both sides. The steel sheets are glued to the mineral wool with an adhesive.

Total panel thickness is 50 mm.

Panels are to be jointed together with hook connections.

The ceiling is connected to deck with hanger sets connected to T-carriers.

Max. distance between Hanger sets: 1200 mm

Max. distance between T-carriers: 3000 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-15.

Maximum size of panels: 3000 x 300 mm (L x W).

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-0402-15T0144 dated 18 March 2015 from Korea Marine Equipment Research Institute (KOMERI), Korea.

Test Report No. KOMERI-0402-15T3959 dated 23 February 2016 from Korea Marine Equipment Research Institute (KOMERI), Korea.

Drawing No. ACTOSYS-C506-001-01 dated 2 January 2015 from the manufacturer.

Drawing No. ACTOSYS-C506-002-01 dated 23 December 2015 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).