DNV·GL

Certificate No:
MEDB00004CJ

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 Windows and side scuttles

with type designation(s)
SG-FS2C1-A60

Issued to
Samgong Co., Ltd.
Busan, 11, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/3.25. SOLAS 74 as amended, Regulation II-2/9, IMO MSC/Circ.1120 and IMO 2010 FTP Code

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

This Certificate is valid until **2023-12-13**.

Issued at **Høvik** on **2018-12-14**

DNV GL local station:
Gimhae Station

Approval Engineer:
Helge Bjørnarå

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description

SG-FS2C1-A60,
is a fire resistant side scuttle composed of a 12 mm pressure glass, 6 mm air gap and 29 mm fire resistant glass, all mounted in an insulated frame consisting of 6 mm steel base frame, hinged base and glass frame and kept in place by a 4.5 mm steel glass keeper. The steel base frame is welded to a 9.5 mm steel main frame.

The main frame is fixed to the bulkhead by welding.

Total thickness of glazing unit: 47 mm

For further details, see drawing listed under Type Examination documentation.

Application/Limitation

The window is approved for installation in steel bulkheads of class A-60. Other applications are subject to case-by-case approval.

Restricted application: fire against pressure glass (from the outside)

Maximum clear light size: Ø 450 mm
Maximum size (OD) of main frame: Ø 508 mm

The window has only been evaluated with respect to fire technical properties (e.g. strength requirements have not been considered). Arrangement and location of any window is subject to approval from relevant authority in each case.

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

Type Examination documentation

Test Report No. KOMERI-0402-18T2772-1 dated 29 October 2018 from KOMERI, Busan, Korea.

Drawing No. SGFS2TW-C1A60-01 dated 2 July 2018 from maker.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity (see first page).