DNV·GL

Certificate No:
TAF00000ZB

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Equivalent Class A Divisions

with type designation(s)
NON LOADBEARING CLADDING SYSTEM, CLASS A-60

Issued to
IKM DSC Engineering AS
HVALSTAD, Norway

is found to comply with
DNV GL rules for classification – Ships
DNV GL offshore standards
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations

Application :

Approved for use as a non-load bearing fire retarding bulkhead of class A-60.

This certificate is recognized by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Høvik** on **2018-07-01**
This Certificate is valid until **2023-06-30**.
DNV GL local station: **Oslo Maritime and CAP**

Approval Engineer: **Tessa Biever**

for **DNV GL**

Mårten Schei-Nilsson
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

"Non loadbearing cladding system, Class A-60"
composed of 2 mm corrugated steel bulkhead insulated on unexposed side with two layers (30 + 50 mm) of Rockwool SeaRox SL 630 (120 kg/m³) or SeaRox SL 620 (100 kg/m³). The insulation is fixed to the bulkhead with pins and washers (c/c 300 mm). The insulation layers is laid with staggered joints.

Total thickness of bulkhead is 178 mm (including corrugated steel).

The product is manufactured at:

- Limeco AB, Uddevalla, Sweden
- BSB Poland Sp.z.o.o, Ciechocin, Poland
- Monik OU, Tallin, Estonia

For further details see test report and drawing listed under Type Approval documentation.

Application/Limitation

Approved for use as a non-load bearing fire retarding bulkhead of class A-60.

The use of this product shall be limited to applications specifically approved by the Administration in question, see IMO 2010 FTP Code part 3, Appendix 1, items 1.12 and 1.13. The construction shall in any case not be used as part of main fire zone bulkheads and stairways enclosures on passenger ships (see also IMO MSC/Circ.1005).

Any surface materials used have to be approved for smoke and toxicity and low flame-spread characteristics (IMO 2010 FTP Code Annex 1 Parts 2 and 5) when required according to relevant rules.

Top face of insulation shall be straight without any recess or misaligment. In all insulation joints special care shall be taken where insulation joints occure at corrugation troughs.

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

Type Approval documentation

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 and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the product listed in this certificate is in accordance with Transport Canada's requirements.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.