EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00001F3

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, 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 the Kingdom of Norway.

This is to certify:

That the Fire Doors
with type designation(s)
Fire door, Model E
Issued to

LMG Finland Oy

EURA, Finland

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/and IMO 2010 FTP Code
Further details of the equipment and conditions for certification are given overleaf.
This Certificate is valid until **2020-03-27**.

Issued at **Høvik** on **2016-09-01**

Notified Body
No.: **0575**

DNV GL local station:
Turku
Approval Engineer:
Synnøve Bolstad Eri

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

"Fire door, Model E"
consisting of single leaf hinged door composed of 1.25 mm stainless steel on both sides and an insulating core. Insulation core consist of 50 mm Paroc Marine Fire Slab 100 in the middle, with density of 100 kg/m^3, 2 x 13 mm Insulfrax S Blanket with density 96 kg/m^3, Water Glass 1500 g/m^2 and 2 x 10 mm Paroc Marine Fire Slab 220 N5 with density 220 kg/m^3 on outer side. Glue Kiilto Fireproof 10 is added between insulation core and steel sheets. The door leaf is fitted with three hinges and Intumex L type sealing.
Total door leaf thickness: 100 mm.
The door frame is made from 1.25 mm stainless steel and may be bolted (M6x20 at max. 150 mm intervals) or welded to the A-60 class light weight construction or general steel bulkhead of class A-0 to A- 60.

Application/Limitation

The door is approved for installation in non-load bearing light weight construction of class A-60 or general steel bulkhead of class A-0 to A- 60 when the bulkhead and frame is insulated as shown in the drawings mentioned under "Type Examination documentation" below. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.
Max. size of clear opening: 1250 mm x 2000 mm (W x H).
The construction shall not be used as part of main fire zone bulkheads and stairway enclosures on passenger ships (see IMO MSC/Circ.1005).
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 use.

Type Examination documentation

Test Report No. VTT-S-2695-10 dated 31 May 2010 from VTT Expert Services Ltd, Finland.
Statement No. VTT-S-10656-10 dated 30 December 2010 from VTT Expert Services Ltd, Finland.
Drawing Nos. A60-125F.H.D-2, A60-125F.H.D-3, A60-125F.H.D-8, 2010-985E-0 C, 2010-985E-1 C, 2010-985E-1.1 C, 2010-985E-1.2 C, 2010-985E-1.3 C, 2010-985E-2 C, 2010-985E-2.1 C and 2010-985E-2.2 C.

Tests carried out

Tested according to IMO FTPC Part 3 and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product

The product is to be marked with name of manufacturer, type designation, fire-technical rating, MED Mark of Conformity and USCG approval if applicable (see page 1).