



EC-Type Examination (Module B) Certificate

Certificate No.

100.218

Name and address of the

manufacturer:

SAINT-GOBAIN ISOVER G+H AG Bürgermeister-Grünzweig-Strasse 1 67059 Ludwigshafen (Germany)

Date of issue:

27.05.2014

Annex A.1 Item No & Item designation:

A.1/3.34 - Fire resisting divisions for high speed craft

Product designation:

Vertical division 60

Product Type:

Loadbearing fire-resisting bulkhead 60

(restricted application)

Intended purpose:

Fire resisting divisions for high speed craft complying with IMO Resolution MSC.36(63)-

(1994 HSC-Code) 7 and IMO Resolution MSC.97(73)-(2000 HSC-Code) 7

Testing based on

IMO Resolution MSC.307 (88)-(FTP-Code 2010)*

(Specific standard):

*) = not applicable accordance chapter 8.3 IMO Resolution MSC.307 (88)

IMO Resolution MSC.61(67)-(FTP-Code)

Remarks:

see overleaf

The type tested was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2012/32/EU subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D**, **E** or **F** of this directive.

Expiry date:

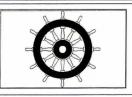
26.05.2019

Installed equipment stays approved beyond the validity date until it is revoked!

Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: 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-control phase module (D, E or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



Note 4:

"Wheelmark" Format

YY

Last two digits of year mark affixed.

XXXX Notified Body number undertaking surveillance module

BG Verkehr Dienststelle Schiffssicherheit Ottenser Hauptstraße 54 22765 Hamburg

xxxx/yy

Brandstwiete1

0 40/3 61 37-0 0 40/3 61 37 2 04

Signature (Bork)

In any case, the German original shall prevail

Technical data / approved drawings and additional conditions and remarks:

1.

This EC-Type Examination Certificate is based on the following document:

- Test Report P604990 of the "SP Technical Research Institute of Sweden", 501 15 Boras (SWE) dated 20.02.2007.
- "Assessment of a load bearing fire-resisting bulkhead" of SP Technical Research Institute of Sweden (Mr. Lars Boström) with reference P903422B dated 07.12.2009.

2.

This EC-Type Examination Certificate provides that the assembly of the loadbearing vertical division coincides in all items with the construction as described in number 2.2 and the annexes to the Test Report P604990.

3.

All measurements of the loadbearing vertical division must be in accordance with the drawing no. AK2172 (annex no. 1 + 2 to the Test Report P604990).

They may only be changed in compliance with the Prüf- und Zertifizierungsstelle of Dienststelle Schiffssicherheit.

4.

The construction may be also insulated and build according to the drawing no. AK2186 dated 10.09.2009 (appendix to the assessment with reference P903422B dated 07.12.2009).

5.

The vertical division was tested as follows:

Insulation

= exposed side

FRP Sandwich panel

= unexposed side

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Restricted application:

Fire against the insulated side

7.

As fire restricting material has to be used:

- "FRP Sandwich panel with different insulation materials", EC-Type Examination Certificate No. 223.002, issued by Dienststelle Schiffssicherheit.

8.

For insulating the "FRP Sandwich Panel" may also be used the identical insulating materials of the series "ULTIMATE U SeaProtect" (manufacturer: SAINT-GOBAIN ISOVER G+H AG).

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Fire restricting material as per Test Report P604990 may be replaced by a different one or non combustible material, provided that its composition and physical properties (e.g. heat conductivity, density and thickness of the material) correspond with the tested material and an approval as per Directive 96/98, as amended, has been obtained.

This has to be proved to Dienststelle Schiffssicherheit beforehand in written form.

10.

Surface materials which will be used must be not readily ignitable and approved by an European notified body.

11.

The equipment shall be marked in accordance with article 11 of the Council Directive 96/98 EC of 20 December 1996 on Marine Equipment as amended.

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This EC-Type Examination Certificate replaces the old EC-Type Examination Certificate, issued on 12.05.2009 with a running time up to 31.05.2014.

13.

This EC-Type Examination Certificate may only be published or transmitted unabridged.





1. Supplement to EC-Type Examination Certificate

Certificate-No. 100.218

dated 27.05.2014

Product designation:

Vertical division 60

Item designation:

A.1/3.34 - Fire resisting divisions for high speed craft

Type:

Loadbearing fire-resisting bulkhead 60

(restricted application)

Manufacturer:

SAINT-GOBAIN ISOVER G+H AG Bürgermeister-Grünzweig-Strasse 1 67059 Ludwigshafen (Germany)

Reference:

Assessment for the change of insulation issued by "SP Technical Research Institute of Sweden" (Mr. P. Johansson) with the reference P903422D dated

01.12.2014.

Alteration / Addition:

For the non-combustible material ISOVER-marine slab ULTIMATE U MPN 85 / ISOVER-marine slab ULTIMATE U SeaProtect slab 85 the following insulation

shall be used:

- ISOVER-marine slab ULTIMATE U SeaProtect slab 86

EC-Type Examination Certificate No. 114.477, issued by Ship Safety

Division

The approved type with the above certificate number may be further manufactured and sold with the alterations / additions stated above.

The other regulations of the EC-Type Examination Certificate are not affected by this supplement.

This Supplement to EC-Type Examination Certificate will be expired on: 26.05.2019

Hamburg, 13.01.2015

Signature (Bork)

