



EC-Type Examination (Module B) Certificate

Certificate No.

100.217

Name and address of the

manufacturer:

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

Date of issue:

03.06.2014

Annex A.1 Item No & Item

designation:

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

Product designation:

Horizontal division 30

Product Type:

Loadbearing fire-resisting deck 30

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:

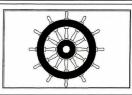
02.06.2019

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

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 2 04

Signature (Niehus)

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 documents:

- Test Report P604995 of the "SP Technical Research Institute of Sweden", 501 15 Boras (SWE) dated 12.04.2007.
- Assessment of a loadbearing fire-resistant deck P705681 (Mr. Lars Boström) dated 18.09.2008.
- Letter of the company SAINT-GOBAIN ISOVERG+H AG (Dr. Perner) dated 15.05.2009.

2.

This EC-Type Examination Certificate provides that the assembly of the loadbearing horizontal division coincides in all items with the construction as described in number 2.2 and the annexes to the Test Report P604995 and the Assessment of a loadbearing fire-resistant deck P705681 incl. annex..

3.

All measurements of the loadbearing horizontal division must be in accordance with the drawing no. AK2171 (annex no. 1 - 4 to the Test Report P604995) and drawing no. AK2178 (annex to Assessment of a loadbearing fire-resistant deck P705681). They may only be changed in compliance with the Prüfund Zertifizierungsstelle of Dienststelle Schiffssicherheit.

4.

The horizontal division was tested as follows:

Insulation

= exposed side

FRP Sandwich panel

= unexposed side

5.

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.

6.

The following non-combustible material has to be used alternatively for the isolation of the FRP Sandwich Panel (structure of isolation see assessment of a loadbearing fire-resistant deck P705681):

- ISOVER-marine slab ULTIMATE U MPN 66 + U MPN 85
- EC-Type Examination Certificate no. 114.477, issued by Dienststelle Schiffssicherheit.
- ISOVER-marine slab ULTIMATE U MPG 66-220
- EC-Type Examination Certificate no. 114.480, issued by Dienststelle Schiffssicherheit.
- ISOVER-marine slab ULTIMATE U MPA 66
- EC-Type Examination Certificate no. 114.483, issued by Dienststelle Schiffssicherheit.
- ULTIMATE U Marine Wired Mat 66 Alu1
 - EC-Type Examination Certificate no. 114.540, issued by Dienststelle Schiffssicherheit.
- U Marine Wired Mat 66 V1
 - EC Type Examination Certificate No. MED265213CS/001, issued by RINA.
- U Marine Wired Mat 66 N
 - EC Type Examination Certificate No. MED068414CS, issued by RINA.

7.

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).

Technical data / approved drawings and additional conditions and remarks:

8.

Fire restricting material as per Test Report P604995 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.

- 9. Surface materials which will be used must be not readily ignitable and approved by an European notified body.
- 10. Adhesives which will be used must be not readily ignitable.
- 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.
- 12. This EC-Type Examination Certificate replaces the old EC-Type Examination Certificate, issued on 18.06.2009 with a running time up to 30.06.2014.
- 13. This EC-Type Examination Certificate may only be published or transmitted unabridged.





1. Supplement to EC-Type Examination Certificate

Certificate-No. 100.217

dated 03.06.2014

Product designation:

Horizontal division 30

Item designation:

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

Type:

Loadbearing fire-resisting deck 30

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: 02.06.2019

Hamburg, 13.01.2015

Control of the contro

Signature (Bork)

Fax: 0 40/3 61 37 2 04
In any case, the German original shall prevail

