



**TYPE APPROVAL CERTIFICATE**  
**No. FPE351419XG/003**

**This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"**

<i>Description</i>	<b>Fire resisting decks</b>
<i>Type</i>	<b>ISOVER Steel deck A-15 U Sea Protect 36/70</b>
<i>Applicant</i>	<b>SAINT-GOBAIN ISOVER G+H AG - SAINT - GOBAIN ISOVER G+H AG BURGERMEISTER-GRUNZWEIG-STRASSE 1 67059 Ludwigshafen GERMANY</b>
<i>Manufacturer</i>	<b>SAINT-GOBAIN ISOVER G+H AG - SAINT - GOBAIN ISOVER G+H AG</b>
<i>Reference standards</i>	<b>Chap. II-2 of SOLAS 74 Convention, as amended; IMO Res. MSC.307(88)-(2010 FTP Code)</b>
<i>Reference documents</i>	<b>Rules for Testing and Certification of Marine Materials and Equipment</b>

*Issued in* **Hamburg** on **December 5, 2019**. *This Certificate is valid until* **December 4, 2024**



**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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Enclosure - Page 1 of 1  
**ISOVER Steel deck A-15 U Sea Protect 36/70**

**Product description**

"Steel Deck A-15 U Sea Protect 36/70"

Composed of a stiffened steel deck insulated underneath with 70 mm mineral wool of type U SeaProtect 36 (density 36 kg/m<sup>3</sup>) from SAINT-GOBAIN ISOVER G+H AG.

No insulation is fitted on the stiffeners.

The insulation is fasten with 3 mm steel pins and 38 mm steel washers.

Distance between pins is maximum 300 mm.

See appendix for further details.

**Field of application**

Approved for use as horizontal fire retarding division of Class A-15

The insulation thickness or insulation density may be increased up to a maximum area weight of 5280 g/m<sup>2</sup>.

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 maintenance.

**Reference documents**

Test report no. PGA10523 dated 25 July 2014 from Danish Institute of Fire and Security Technology (DBI), Hvidovre, Danmark

PHA10498a, Revision no.: 1 (use of mats or rolls instead of slabs) dated 2 November 2018,

PHA10498c (minimum thickness and density) dated 27 November 2019,

PHA10498d (position of joints) dated 16 December 2014,

PHA10498g (pin pattern) dated 28 November 2014.

All from Danish Institute of Fire and Security Technology (DBI), Hvidovre, Denmark.

Drawing no. AK2308 (4 pages) dated 3 December 2014 from SAINT-GOBAIN ISOVER G+H AG.

Documentation filed by RINA with n° HMFP/5829-5832.

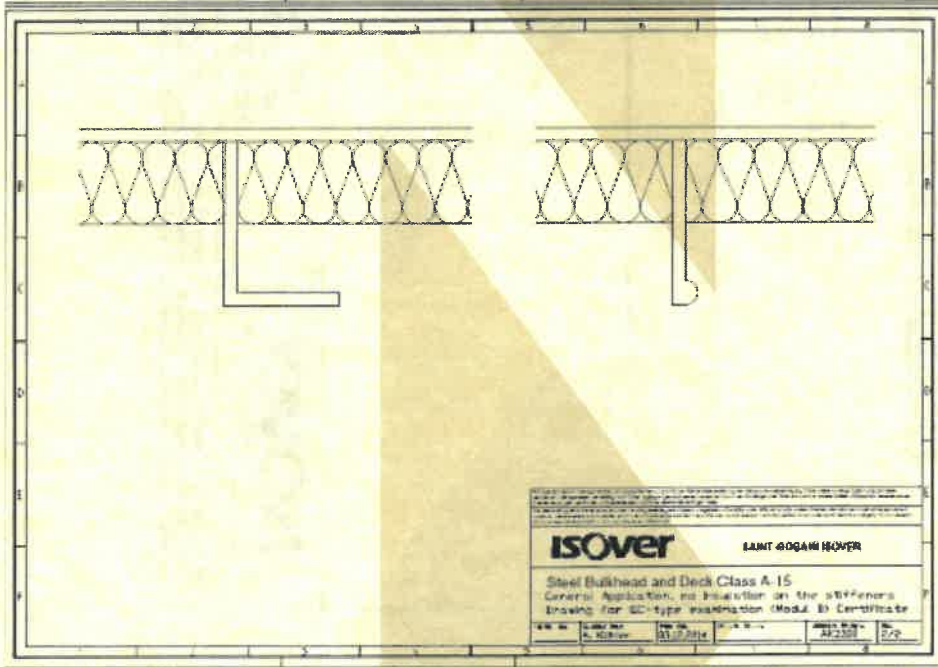
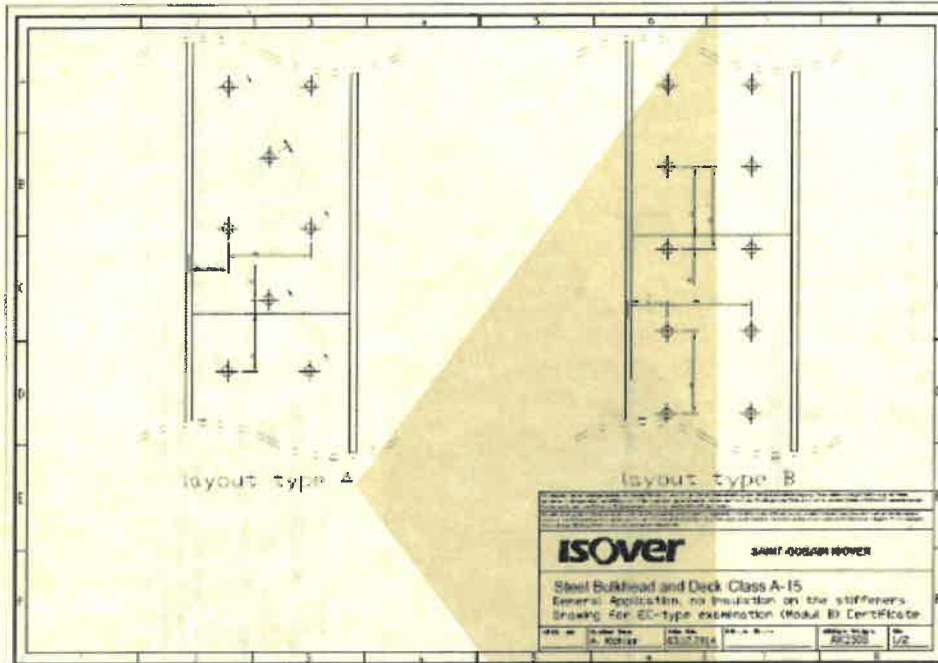
MED-B-9517 issued by DNV GL AS on 2015-02-05.

**Tests carried out**

Tested according to IMO 2010 FTP Code part 3.



Appendix



Hamburg December 5, 2019



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