

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the "A" Class divisions, fire integrity

with type designation(s)

A-60 Steel Deck U SP Wired Mat 66/40

Issued to

Saint-Gobain Isover G+H AG

Ludwigshafen am Rhein, Rheinland-Pfalz, Germany

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2018/773**,

item No. MED/3.11a. SOLAS 74 as amended, Regulation II-2/3.2 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1434

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-09-11**.

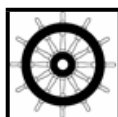
Issued at **Hamburg** on **2018-09-12**

DNV GL local station:

Augsburg

Approval Engineer:

Roland Priebe



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Job Id: **344.1-008445-1**
Certificate No: **MEDB00004C6**

Product description

"A-60 Steel Deck U SP Wired Mat 66/40"
is a Class A-60 deck consisting of a 4,5 mm steel plate suitable stiffened.

The steel plate was insulated on the exposed side with one layer of 40 mm thick Ultimate SeaProtect Wired Mat 66 provided by the applicant, nominal density 66 kg/m³, organic content 1,47 %.

The insulation was mounted across the steel plate with stiffeners. The insulation was wrapped around the stiffeners as the mats were mounted.

Fixing the insulation to the steel deck was done with ø 3 mm welded pins with ø 38 mm steel washers on top. The distance between the pins was approx. c/c 300 mm. No adhesive was used in this construction.

For further details see under "Type Examination documentation" below.

Application/Limitation

Approved for use as horizontal fire retarding division of class A-60.

The insulation material has 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.

Type Examination documentation

Test report: No. PGA11099A dated 2017-12-06 from Danish Institute of Fire and Security Technology, 2650 Hvidovre, Denmark.

Fire technical assessment: No. PHA10976A dated 2017-11-28 from Danish Institute of Fire and Security Technology, 2650 Hvidovre, Denmark.

Tests carried out

Tested according to IMO Resolution MSC.307(88) - 2010 FTP Code Annex 1 Part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).

USCG Approval Category (Module B) number

This product has been assigned a U.S. Coast Guard Module B number 164.107/EC0098 to note type approval to Module B only as it pertains to obtaining US Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.