

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:  
**MEDB00004VR**  
Revision No:  
**1**

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

## This is to certify:

**that the A & B Class divisions fire integrity: A class divisions.**

with type designation(s)  
**SikaFloor® Marine PK-90 Steel + Litosilo Steel**

issued to

**Sika Services AG**  
**Zürich, ZH, Switzerland**

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

Regulation (EU) 2023/1667,

**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.1434,1435; IMO MSC.1/Circ.1616, 1621**

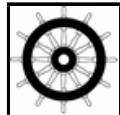
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-04-30**.

Issued at **Hamburg** on **2024-05-16**

DNV local unit:  
**Augsburg**

Approval Engineer:  
**Timo Linn**



Notified Body  
No.: **0098**



for **DNV SE**

Digitally Signed By:  
Christine Mydlak-Röder  
Location: DNV Hamburg,  
Germany

**Mydlak-Röder, Christine**  
**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) 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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 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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



## Product description

“SikaFloor® Marine PK-90 Steel + Litosilo Steel”

composed of, seen from the bottom of the system starting at the structural steel deck:

- Max. 2 mm SikaFloor®Marine PU-RED (two component - density 1300 kg/m<sup>3</sup>, manufactured by Sika Services AG) applied on the steel deck surface (application rate 1.01 kg/m<sup>2</sup>)
- Steel tiles, 150 x 300 x 1.5 mm (W x L x T) on top of the PU-RED,
- 50 mm thick mineral wool Slabs, SeaRox 436 (manufactured by Rockwool A/S with density 140 kg/m<sup>3</sup>) mounted tightly together, on top of the steel tiles.
- 140 x 2000 x 1.5 mm (W x L x T) steel strips are applied on top of the mineral wool.
- 1000 x 2000 x 3.0 (W x L x T) steel plates glued along the joints on top of the steel strips with max. 1 mm SikaForce 7720 L105 adhesive (density 1400 kg/m<sup>3</sup>, application rate 0.466 kg/m<sup>2</sup>, manufactured by Sika Services AG.)
- PU-RED max. 1 mm applied on top of the 3.0 mm steel plates.
- 1000 x 2000 x 1.5 (W x L x T) steel plates mounted on top of the PU-RED layer.

Total thickness approximately 58 mm.

Total weight: 58 kg/m<sup>2</sup>

For further details, see drawings and reports listed under Type Examination documentation below.

## Application/Limitation

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

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.

## Type Examination documentation

Test report No. PGA11306A Revision 1 dated 12<sup>th</sup> of November 2018 from Danish Institute of Fire Technology, Denmark.

## Tests carried out

Tested according to IMO 2010 FTP Code part 3.

## Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating and MED Mark of Conformity (see first page)