

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Primary deck coverings

with type designation(s)
Sikafloor Marine Litosilo Steel

Issued to
Sika Services AG
Zürich, ZH, Switzerland

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/3.1. SOLAS 74 as amended, Regulation II-2/4, II-2/6 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code

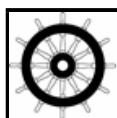
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-05-10**.

Issued at **Høvik** on **2020-05-11**

DNV GL local station:
Augsburg

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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 United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-004634-2**
Certificate No: **MEDB0000698**

Product description

"SikaFloor Marine Litosilo Steel"

is composed of (seen from deck plating):

Layer	Thickness (mm)	Material
Layer 1	30	"SeaRox SL 436 " with density 140 kg/m ³
Layer 2	3	Steel plates
Layer 3	3	"SikaFloor® Marine PU-Red" (density 1.3 kg/L) with 1.5 mm thick steel plates integrated using anchoring bolts to the layer 2

Max. thickness: 36 mm

For further details see drawing mentioned under Type Examination documentation below.

Application/Limitation

Approved as primary deck covering, not generating excessive quantities of smoke nor toxic products in fire.

Approved colour: Grey or brighter colour

Max. organic content: 78.3%

The product may be applied over any steel or non-combustible material.

The product may also be used as floor covering in accordance with IMO 2010 FTP code Part 5 appendix 4 paragraph 4.9.2.

Not to be used as an integrated part of horizontal class A division unless tested as such.

Each product is to be supplied with its manual for installation and use.

Type Examination documentation

Test report No. 4P04891-1 dated 04 September 2014 from SP Technical Research Institute of Sweden, Borås, Sweden.

Drawing No. CBJ 2014-100 dated 01 July 2014 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 5 and Annex 2 item 2.2.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the Mark of Conformity and USCG approval number, if applicable (see first page).