

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 Surface materials and floor coverings with low flame-spread characteristics: floor coverings

with type designation(s)
Sikafloor Marine-590

Issued to
Sika Services AG
Zürich, Switzerland

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/3.18c. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

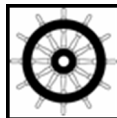
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-07-01**.

Issued at **Høvik** on **2019-07-02**

DNV GL local station:
Augsburg

Approval Engineer:
Thorvald Furuseth



Notified Body
No.: **0575**

for **DNV GL AS**

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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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

"Sikafloor Marine-590"

is a floor covering system composed of a polyurethane coating consisting of the following two components:

- component A: Sika Floor Marine-590 Colored
- component B: Sika Floor Marine-590

Mixing Ratio A : B = 75 : 25

Density : 1400 kg/m³
Thickness: Max 2.0 mm
Weight: 2.8 Kg/m²

Application/Limitation

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use as floor covering on any low flame-spread floor covering, steel or non-combustible material.

Approved for all colour variations.
Maximum organic content:64 %.

Each product is to be supplied with its manual for application and maintenance.

Type Examination documentation

Test report nos.:

- 8115753590-30, APS4-Hau/Lov, dated 2018-06-14 (part 2)
 - 8115753590-10, APS4-Hau/Lov, dated 2018-06-14 (part 5)
 - 8116014048-30b, APS4-Hau/Püs, dated 2018-08-08 (part 2)
 - 8116014048-10b, APS4-Hau/Püs, dated 2018-08-08 (Part 5)
- All from DMT GmbH & KG, Dortmund, Germany.

Tests carried out

Tested according to IMO 2010 FTP Code Part 5 and Part 2.

Marking of product

The product or packaging 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).