DNV·GL

Certificate No:
MEDB000050Y

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

with type designation(s)
SCHÖNOX 2K PU SOLID

Issued to
Sika Deutschland GmbH
Rosendahl, Germany

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 **2024-02-11**.

Issued at **Hamburg** on **2019-02-12**

DNV GL local station:
Essen

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description

"SCHÖNOX 2K PU SOLID"
Floor covering system consisting tile adhesive (two-component polyurethane adhesive), grout and standart ceramic tiles, tested on a steel plate (3mm).
One central joint lengthwise, 1st transverse joint at 20 mm, further every 145 mm; joint width 10 mm.

Max applied thickness of adhesive: 1.5 mm
Density approx. of Adhesive: 1.30 – 1.40 kg/m³
Colour of component A (resin), B (hardener): white, brown

Organic content (comp. A+B): 48,7%
Max. amount: 4.0 kg/m²
Total thickness: 12 mm

The joint fillings Schönox UF Premium and Schönox SU, (colour silver grey) were used for the grouting, manufactured by PAKOR BV; Touwslagerstraat 13; 2984 AW Ridderkerk, Netherlands

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.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Several layers of floor coverings are acceptable provided that each layer is approved according to the Marine Equipment Directive and bear the mark of Conformity.

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

Type Examination documentation

Test Report no. 2018-1942 dated 19th of November 2018 issued by Exova Warringtonfire, Frankfurt.

Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code Annex 1, 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 and MED Mark of Conformity (see first page).